Environnement Canada Environment Canada

Sommaire chronologique des niveaux d'eau

Québec

Historical Water Levels Summary

JUSQU'À/TO **1987**

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
RÉGION DU QUÉBEC
QUANTITÉ ET QUALITÉ DE L'EAU
LONGUEUIL (QUÉBEC)
CANADA, 1989

INLAND WATERS DIRECTORATE
QUEBEC REGION
WATER QUANTITY AND QUALITY BRANCH
LONGUEUIL, QUEBEC
CANADA, 1989

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1989

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1989

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AVANT–PROPOS

La Division des relevés hydrologiques du Canada sous l'autorité du Directeur de la Direction des ressources en eau, ministère de l'Environnement (Ottawa) a préparé la présente publication en collaboration avec la Direction régionale des eaux intérieures, région du Québec.

Le Directeur régional de la région du Québec, Direction générale des eaux intérieures, a autorisé la cueillette et la compilation des données de base et ce sous direction du Chef des programmes de la quantité et de la qualité de l'eau, à Longueuil (Québec).

On remercie vivement les organismes fédéraux, provinciaux, ou autres, pour la coopération qu'ils ont apportée.

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment (Ottawa) in collaboration with the Quebec Region, Inland Waters Directorate.

The basic data were collected and compiled under the authority of the Regional Director, Quebec Region, Inland Waters Directorate, and under the direction of the Chief of the Water Quantity and Quality Programs Branch at Longueuil, Quebec.

The co-operation received from federal and provincial agencies and from other organizations is gratefully acknowledged.

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles des niveaux d'eau et des extrêmes annuels de lacs et de cours d'eau du Québec, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1987 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur les niveaux d'eau sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef, Division des programmes de la quantité et de la qualité de l'eau
Ministère de l'Environnement
2e étage
1001, rue Pierre Dupuy
Longueuil (Québec)
J4K 1A1
(514 646-1035)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean water levels and annual extremes of water levels for lakes and rivers in Quebec for which water level data to 1987 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Water level data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Chief, Water Quantity and Quality Programs Branch,
Department of the Environment,
2nd Floor,
1001 Pierre Dupuy Street,
Longueuil, Quebec.
J4K 1A1
(514 646-1035)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

ORGANISATION DE LA DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES, RÉGION DU QUÉBEC

L'organisation du ministère de l'Environnement est largement décentralisée. La planification et la gestion des eaux et les programmes de gestion des données sont administrés par la Direction générale des eaux intérieures, Conservation et protection.

La Direction des eaux intérieures, région du Québec, est composée de deux éléments principaux. Les responsabilités de la Direction de la planification et de la gestion des eaux comprennent la réalisation d'études intégrées de bassins versants et la coordination d'études conjointes avec les autorités provinciales, tant au niveau de la régularisation des eaux et du contrôle des inondations, que de la gestion de la qualité; la Direction participe de plus à l'aménagement des ressources en eau sur les territoires fédéraux, et à l'évaluation des incidences environnementales des projets sous la responsabilité de ministères ou d'organismes fédéraux.

Le deuxième élément, la Division des programmes de la quantité et de la qualité de l'eau, s'occupe principalement de la cueillette et de la publication des données hydrologiques de base, des études de la qualité des eaux et de l'analyse des échantillons d'eau aux laboratoires Capitaine Bernier de Longueuil.

La Direction des eaux intérieures, région du Québec, est impliquée dans la coordination de plusieurs programmes de planification, de gestion, d'utilisation et d'aménagement des eaux en quantité et en qualité au Québec. Des activités comprennent d'incidence des pluies acides, les évaluations environnementales, la gestion de la qualité des eaux, la réduction des dommages causés par les inondations et la gestion des eaux limitrophes internationales. Le Ministère accorde aussi des subventions à la recherche aux universités et aux industries.

Pour obtenir des renseignements supplémentaires sur les programmes des activités énoncées, il suffit de s'adresser au:

Directeur régional
Direction générale des eaux intérieures
Conservation et protection
Ministère de l'Environnement
1141, route de l'Eglise, 8e étage
Case postale 10,100
Sainte-Foy (Québec)
G1V 4H5
(418 648-3921)

ORGANIZATION OF THE INLAND WATERS DIRECTORATE, QUEBEC REGION

The organization of the Department of the Environment is largely decentralized. Water planning and management and data programs are administered by the Conservation & Protection, Inland Waters Directorate.

The Quebec Region, Inland Waters Directorate, comprises two major components. The main responsibilities of the Water Planning and Management Branch with provincial authorities dealing with the regulation of water levels, flood control and water quality management. The Branch is also involved in the management of water resources on federal lands and in environmental impact assessment studies on projects conducted by federal departments or agencies.

The second component, the Water Quantity and Quality Programs Branch, is mainly responsible for collecting and publishing hydrological base data, monitoring water quality and analyzing water samples at the Capitaine Bernier laboratories in Longueuil.

The Quebec Region, Inland Waters Directorate, is involved in the co-ordination of several water quality and quantity planning, management, utilization and development programs in Quebec. Activities include acid rain assessment, environmental evaluation, water quality management, flood damage reduction and management of international boundary waters. The Department also issues research grants to universities and private industry.

For additional information on the programs of the activities listed above, please contact the:

Regional Director,
Inland Waters Directorate,
Conservation & Protection,
Department of the Environment,
1141, route de l'Eglise, 8th Floor,
P.O. Box 10,100,
Sainte-Foy, Quebec.
G1V 4H5
(418 648-3921)

HISTORIQUE DES RELEVÉS HYDROLOGIQUES AU QUÉBEC

Le ministère québécois des Terres et Forêts a effectué les relevés hydrométriques entre 1906 et 1912, et à compter de 1913, c'est la Commission des eaux courantes qui s'en est occupée. Conformément à une entente de coopération fédérale-provinciale mise en vigueur le 1er octobre 1922, les relevés hydrométriques effectués dans la province de Québec ont été confiés à des organismes fédéraux. Le 1er avril 1964, le ministère de l'Environnement du Québec est devenu responsable de la conduite des relevés hydrométriques portant sur la majorité des cours d'eau du Québec. La Division des relevés hydrologiques du Canada continue depuis, l'exploitation d'un réseau de stations hydrométriques fédérales dans l'intérêt de la navigation, sur les eaux interprovinciales et sur les eaux internationales.

Le Canada et le Québec ont signé un accord prenant effet le 1er avril 1975, relativement au financement de la cueillette des données hydrométriques effectuée par le ministère de l'Environnement du Québec. Selon les termes de cet accord, le gouvernement fédéral assume la totalité des frais de cueillette des données sur les niveaux et débits aux stations jugées d'intérêt fédéral, alors que dans les cas des stations d'intérêt mutuel, les frais sont partagés de façon égale avec la province.

Le ministère de l'Environnement du Québec publie pour chaque année hydrologique (octobre à septembre), les données recueillies par la Direction générale des Eaux de leur réseau de stations hydrométriques.

À chaque année, la Direction des Inventaires du ministère de l'Environnement publie aussi un *Répertoire hydrologique* contenant des répertoires météorologiques, hydrométriques et de la qualité des eaux. Pour plus amples renseignements sur les réseaux de stations exploités par la province, il faut communiquer à la source d'information suivante:

Le Directeur
Direction des relevés aquatiques
Ministère de l'Environnement du Québec
3900, rue Marly, 5e étage
Boîte postale 39
Sainte-Foy (Québec)
G1X 4E4

Pour tous renseignements relatifs aux niveaux et débits des cours d'eau, il suffit de s'adresser au:

Chef
Service des eaux de surface
Ministère de l'Environnement du Québec
2345, rue Dalton
Sainte-Foy (Québec)
G1P 3S3

HISTORY OF WATER SURVEYS IN QUEBEC

Between 1906 and 1912, hydrometric surveys were carried out by the Quebec Department of Lands and Forests; in 1913, the surveys were taken over by the *Commission des eaux courantes* (Waterways Commission). Under a co-operative federal-provincial agreement effective October 1, 1922, the province of Quebec was included in hydrometric surveys carried out by federal agencies. On April 1, 1964, the *ministère de l'Environnement du Québec* became responsible for conducting hydrometric surveys on most of the watercourses in the province. The Water Survey of Canada Division continues to operate a network of strictly federal hydrometric stations in the province in the interest of navigation in interprovincial and international waters.

Under a federal-provincial agreement that went into effect April 1, 1975, Canada and Quebec signed an agreement on the collection of hydrometric data by virtue of which the *ministère de l'Environnement du Québec* will collect most data on water levels and flows in the province and the federal government will reimburse Quebec the cost of collecting those data which are of interest to the Federal government, and share the cost of those stations of mutual interest.

The *ministère de l'Environnement du Québec* publishes, for each hydrological year (October to September) the data collected by the *Direction générale des Eaux* from their network of hydrometric stations.

Each year, the *Direction des Inventaires du ministère de l'Environnement* also publishes a hydrological index containing meteorological, hydrometric and water quality indexes. For further information on provincially-operated station networks, please contact the following:

Director,
Direction des relevés aquatiques,
Ministère de l'Environnement du Québec,
3900 Marly Street, 5th Floor,
Postal Box 39,
Sainte-Foy, Quebec.
G1X 4E4

For information on water levels and flows, please contact:

Chief,
Surface Waters Branch,
Ministère de l'Environnement du Québec,
2345 Dalton Street,
Sainte-Foy, Quebec.
G1P 3S3

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La présente publication renferme les données sur les niveaux d'eau annuels enregistrés au réseau de mesure des marées et des niveaux d'eau sur le fleuve Saint-Laurent en amont du lac St-Pierre, au Québec. Ces données sont recueillies et préparées en vertu d'un protocole d'entente conclu entre le Service de la conservation de l'environnement et les Sciences et levés océaniques. Ce protocole reconnaît que les deux parties sont tenues de recueillir et de publier des données sur les niveaux d'eau pour leurs propres besoins de gestion des eaux et de navigation. À cette fin, la Direction des ressources en eau exploite et entretient les jauges appartenant au Service hydrographique du Canada, tandis que la Direction des services des données sur le milieu marin des Sciences et levés océaniques s'occupe de la préparation des données. Avant 1981, le Service hydrographique du Canada a compilé et publié ces données dans le cadre d'une série annuelle intitulée: «Niveaux d'eau: Moyennes journalières», série qui continuera de paraître pour les stations situées en aval du lac St-Pierre, sur le Saint-Laurent, et sur les côtes maritimes.

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

This publication includes the annual water level data for the Tides and Water Level Network in Quebec on the St. Lawrence River upstream of Lac St. Pierre. These data are collected and prepared under a Memorandum of Understanding between the Environmental Conservation Service and Ocean Science and Surveys. This memorandum recognizes the need for both parties to collect and publish water level data for their respective needs of management of the water resources and navigation. Under the memorandum the Water Resources Branch operates and maintains the water level gauges owned by the Canadian Hydrographic Service and the data are prepared by the Marine Environmental Data Services Branch of Ocean Science and Surveys. The data prior to 1981 were compiled and published by the Canadian Hydrographic Service in an annual publication series entitled "Water levels, Daily Means" which will continue for the stations downstream of Lac St. Pierre on the St. Lawrence and on the marine coasts.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies which have contributed data for publication are identified herein under individual stations.

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations

sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DES NIVEAUX D'EAU*

A. Description générale

On trouve les renseignements descriptifs pour une station des relevés des niveaux d'eau, sous l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur les niveau d'eau, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique des niveaux d'eau* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le débit n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés des niveau d'eau pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique des niveaux d'eau, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1987 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la période d'observation;
5. Le plan de référence auquel les niveaux d'eau sont reportés.

Les symboles normalisés donnés ci-après sont inscrits à côté des niveaux d'eau quotidiens auxquels ils se rapportent. Les symboles ne sont fournis ni avec les niveaux d'eau moyens mensuels, ni avec les niveaux d'eau moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*.

EXPLANATION OF HISTORICAL WATER LEVELS SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean water levels. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical water level data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Water Levels Summary publications contain data for both active and discontinued water level stations and do not contain any discharge data. These publications will be published every two years and will contain data for all water level stations for the entire period of record not just the data for the intervening two years.

B. Method of Tabulation of Data

For gauging stations where systematic water level data have been obtained, the following are given for the period of record to 1987 inclusive:

1. Summary of monthly and annual mean water levels;
2. Annual maximum instantaneous water levels;
3. Annual maximum and minimum daily water levels;
4. Identification of the extreme recorded for the period of record;
5. Datum to which water levels are referred.

The following standard symbols are used opposite the daily stage to which they apply. These symbols will not appear opposite the monthly and annual mean water levels, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des après le 1er janvier 1986.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean water levels) donne:

   (a) la moyenne mensuelle, exprimée en mètres, des valeurs quotidiennes des niveaux d'eau pour le mois entier. Pour les stations où on n'a mesuré les niveaux d'eau quotidiens que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

   (b) la moyenne annuelle, en mètres, pour les stations où on a obtenu des relevés quotidiens pour une année entière;

   (c) la moyenne de toutes les moyennes mensuelles;

   (d) la moyenne de toutes les moyennes annuelles.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous water level), exprimées en mètres, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant les niveaux quotidiens.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily water levels), exprimées en mètres, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière, les valeurs sont fournies si elles sont valables pour l'année en cause.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le plan de référence auquel les niveaux d'eau* sont reportés est fourni à la suite de l'extrait des moyennes mensuelles et annuelles et du tableau des valeurs extrêmes. Si les niveaux d'eau ont trait à un deuxième plan de référence, ce dernier est également indiqué même que la constante de conversion.

   Il arrive que les relevés des niveaux d'eau effectués à une station s'appliquent à plus d'une période d'observation de sorte qu'ils ne peuvent être reportés à un même plan de référence. En pareil cas, le plan de référence auquel les niveaux d'eau sont reportés est fourni pour chacune des périodes d'observation et un message imprimé à la suite des tableaux indique que les niveaux d'eau ont trait à plusieurs plans de référence différents.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical data base after January 1, 1986.

1. *The summary of monthly and annual mean water levels* gives:

   (a) the monthly mean in metres for each month for which there is a complete month of daily water levels. Records of daily water levels for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

   (b) the annual mean water level in metres if there are daily water levels for the complete year;

   (c) the mean of all the monthly means;

   (d) the mean of all the annual means.

2. *The annual maximum instantaneous water level* in metres is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily water levels* in metres are given for each year where daily water levels have been obtained for the entire year or where they are considered to be valid for the year even though some daily water levels are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The datum to which the water levels are referred* is shown following both the "Summary of Monthly and Annual Mean Water Levels" table; and the "Annual Extremes of Water Levels" table. If the water levels are referenced to a second datum, this datum is also shown with the conversion factor.

   Occasionally, the water level records at a station are collected for two or more periods for which the water levels cannot be referenced to a common datum. In this case, the datum to which the water levels are referred is shown following each period, and a message is printed at the bottom of the tables, indicating that the water levels are referred to several unrelated datums.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques (données sur le niveau des eaux) dont on parle ici, sont basés sur le type de jauge, la stabilité de la jauge, la précision des observations, la mesure de la donnée de référence, l'évaluation des procédés et l'interprétation des chiffres. À cause de toutes ces variables, on a normalisé, pour des fins d'uniformité de présentation, le nombre de chiffres significatifs, mais ceci ne reflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A et E. En général, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus exactes que celles qui sont obtenues par estimation ou qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data (water level data) referred to herein depends upon the type of gauge, stability of gauge, accuracy of observation, measurement of reference datum, computation procedures and interpretation of records. Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A and E. In general, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only (especially for small or flashy streams) or those obtained by estimation.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

DONNEES SUR LES NIVEAUX D'EAU

ABITIBI (LAC) - STATION NO. 04MA004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1946	---	---	---	---	---	---	---	---	---	---	284.83	284.55	---	1946
1947	---	---	---	---	---	285.56	285.28	285.08	284.91	284.83	284.58	284.34	---	1947
1948	---	---	---	---	285.00	285.26	285.10	284.91	284.76	284.42	284.24	284.19	---	1948
1949	284.08	283.95	283.97	284.25	285.07	285.38	285.40	285.12	---	284.72	284.55	284.39	---	1949
1950	284.24	284.07	284.08	284.23	284.88	285.41	285.41	285.18	284.97	284.78	284.83	285.08	284.78	1950
1951	284.85	---	284.21	---	285.40	---	285.38	285.10	284.78	284.78	285.10	285.27	---	1951
1952	285.14	285.01	284.47	284.57	285.38	---	285.38	---	285.21	285.11	285.08	285.12	---	1952
1953	284.81	284.80	284.33	284.81	285.05	285.27	285.03	284.78	284.75	284.79	---	284.78	---	1953
1954	284.81	284.44	284.14	284.39	285.12	285.35	285.38	285.34	---	285.43	285.42	285.22	---	1954
1955	284.94	284.81	284.18	284.45	285.05	285.03	---	284.45	---	284.28	284.80	284.57	---	1955
1956	284.43	284.28	284.07	284.22	284.83	285.36	---	285.11	284.98	285.00	284.85	284.88	---	1956
1957	284.82	284.25	284.03	284.26	---	285.01	285.53	285.22	285.02	284.88	284.89	284.97	---	1957
1958	---	---	284.13	284.26	---	---	285.28	285.16	285.25	285.32	285.31	285.10	---	1958
1959	284.85	284.52	284.17	284.30	284.97	285.28	285.05	284.78	284.73	284.79	285.08	285.01	284.79	1959
1960	284.76	284.47	284.21	284.41	285.81	285.44	285.41	285.40	285.17	285.04	285.05	285.01	284.89	1960
1961	284.72	284.41	284.25	284.35	284.79	285.15	285.15	284.87	285.15	285.17	285.38	285.38	284.90	1961
1962	285.04	284.87	284.21	284.23	285.07	285.29	284.99	284.89	285.09	284.99	284.87	284.41	284.80	1962
1963	284.25	284.08	283.98	284.19	284.48	284.81	284.72	284.58	284.51	284.33	284.18	284.28	284.35	1963
1964	284.10	284.08	284.19	284.46	285.15	285.48	285.12	284.83	284.80	284.80	284.73	284.48	284.87	1964
1965	284.18	284.04	284.08	284.28	284.76	285.23	285.03	284.88	284.87	285.38	285.18	284.85	284.74	1965
1966	284.54	284.23	284.05	284.25	284.80	285.21	285.12	284.83	---	285.12	285.38	285.44	---	1966
1967	285.16	284.83	284.19	284.52	285.48	285.33	285.13	285.01	284.79	284.85	285.18	285.04	284.94	1967
1968	284.87	284.31	284.18	284.80	285.13	285.05	285.24	285.13	284.89	285.02	284.98	284.71	284.84	1968
1969	284.42	284.18	284.11	284.38	285.08	285.41	285.26	285.27	285.30	285.40	285.43	285.31	284.97	1969
1970	284.98	284.58	---	---	284.85	285.12	285.17	---	284.85	284.73	284.87	---	---	1970
1971	284.24	284.05	284.07	284.25	284.81	284.70	284.48	284.24	284.25	284.28	284.37	284.38	284.32	1971
1972	284.29	284.11	284.15	284.28	284.81	284.97	284.86	284.74	284.67	284.68	284.88	284.48	284.53	1972
1973	284.20	284.08	284.20	284.29	285.18	285.25	285.08	284.80	284.65	284.83	284.75	284.51	284.67	1973
1974	284.27	284.11	284.08	284.33	284.90	285.52	285.38	285.04	284.75	284.92	285.11	284.88	284.78	1974
1975	284.51	284.14	284.08	284.33	284.81	285.12	285.04	284.73	284.48	284.28	284.34	284.34	284.50	1975
1976	284.15	---	---	284.69	285.49	---	---	285.02	285.00	285.15	284.84	284.61	---	1976
1977	284.28	284.07	284.18	284.52	285.27	285.17	285.05	284.73	284.48	284.25	284.28	284.28	284.55	1977
1978	284.09	284.05	284.10	284.22	284.81	285.35	285.41	285.13	284.83	284.85	284.80	---	---	1978
1979	---	284.14	284.17	284.59	285.38	285.45	285.19	285.01	284.84	284.88	285.23	285.25	---	1979
1980	284.90	284.41	284.12	284.48	285.19	285.20	285.17	---	---	---	285.05	284.85	---	1980
1981	284.48	284.18	284.19	---	---	285.35	285.11	284.80	284.32	284.22	284.30	284.13	---	1981
1982	283.99	283.98	284.02	284.28	284.72	284.85	284.82	284.70	284.62	284.80	285.04	284.83	284.55	1982
1983	284.50	284.15	284.10	284.25	284.71	285.34	285.13	284.81	284.67	284.47	284.28	284.19	284.54	1983
1984	---	284.14	284.17	---	---	284.73	285.07	284.84	284.67	---	---	---	---	1984
1985	---	284.10	284.15	---	---	284.87	284.83	284.85	284.85	284.59R	284.63R	284.58R	---	1985
1986	284.27	284.08	284.04	284.26	284.92	---	---	---	284.85	284.71R	284.68R	284.88R	---	1986
1987	284.35	284.05	284.07	284.07	284.27	284.45	284.50	284.80	284.31	---	---	---	---	1987
MOYEN	284.51	284.26	284.14	284.35	284.98	285.18	285.13	284.92	284.79	284.82R	284.84R	284.74R	284.88	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT. 48 45 00 LONG 79 13 40 — BASSIN VERSANT, 9 950 km² — REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

ABITIBI (LAC) - STATION NO. 04MA004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1946	---	---	---	
1947	---	---	---	1946
1948	---	---	---	1947
1949	---	---	---	1948
				1949
1950	---	285.82 LE 30 JUN *	284.02 LE 27 FEV	
1951	---	---	---	1950
1952	---	---	---	1951
1953	---	---	---	1952
1954	---	---	---	1953
				1954
1955	---	---	---	
1956	---	---	---	1955
1957	---	---	---	1956
1958	---	---	---	1957
1959	---	---	---	1958
		285.49 LE 13 JUN	284.08 LE 27 MAR	1959
1960	---	---	---	
1961	---	285.78 LE 18 MAI	284.16 LE 18 MAR	1960
1962	---	285.48 LE 8 NOV	284.21 LE 4 AVR	1961
1963	---	285.71 LE 2 JUN	284.08 LE 18 AVR	1962
1964	---	284.92 LE 2 JUL	283.84 LE 11 MAR	1963
		285.72 LE 16 JUN	284.04 LE 26 JAN	1964
1965	---	---	---	
1966	---	285.48 LE 24 OCT	284.00 LE 8 FEV	1965
1967	---	---	---	1966
1968	---	285.73 LE 17 MAI	284.18 LE 17 MAR	1967
1969	---	285.42 LE 18 JUL	284.12 LE 15 MAR	1968
		285.88 LE 14 OCT	284.08 LE 1 MAR	1969
1970	---	---	---	
1971	---	---	---	1970
1972	---	284.81 LE 30 MAI	284.00 LE 28 AOU	1971
1973	---	285.17 LE 12 JUN	284.08 LE 14 FEV	1972
1974	---	285.47 LE 17 MAI	284.07 LE 1 FEV	1973
		285.88 LE 1 JUN	284.06 LE 22 FEV	1974
1975	---	---	---	
1976	---	285.36 LE 24 JUN	284.03 LE 28 FEV	1975
1977	---	---	---	1976
1978	---	285.81 LE 30 JUN	284.02 LE 9 OCT	1977
1979	---	---	---	1978
		---	---	1979
1980	---	---	---	
1981	---	---	---	1980
1982	---	---	---	1981
1983	---	285.32 LE 7 NOV	283.85 LE 19 JAN	1982
1984	---	285.46 LE 7 JUN	284.06 LE 28 FEV	1983
		---	---	1984
1985	---	---	---	
1986	---	---	---	1985
1987	---	---	---	1986
		284.88 LE 23 AOU	283.88 LE 15 AVR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ACHIGAN (LAC DE L') - STATION NO. 02OB018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	24.14	24.08	24.04	24.07	---	---	---	1966
1967	---	---	---	---	24.78	24.67	24.67	24.34	24.31	24.43	24.80	24.48	---	1967
1968	24.42	24.34	24.35	24.93	24.64	24.34	24.31	24.17	24.22	24.28	24.35	24.36	24.38	1968
1969	24.32	24.36	24.29	24.86	25.05	24.47	24.25	24.22	24.18	24.19	24.33	24.43	24.41	1969
1970	24.34	24.32	24.30	24.84	24.83	24.42	---	---	24.18	---	24.42	24.46	---	1970
1971	24.31	24.31	24.32	24.83	25.00	24.42	---	---	---	---	---	---	---	1971
MOYEN	24.35	24.33	24.32	24.74	24.88	24.46	24.34	24.21	24.18	24.24	24.43	24.44	24.40	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 58 17
LONG 73 58 38 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ACHIGAN (LAC DE L') - STATION NO. 02OB018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	
1967	---	---	---	1966
1968	---	25.09 LE 15 AVR	24.13 LE 29 AOU *	1967
1969	---	25.37 LE 19 AVR *	24.15 LE 3 SEP	1968
1970	---	---	---	1969
1971	---	---	---	1970
				1971

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ACHIGAN (RIVIERE DE L') ECHELLE NO.1 - STATION NO. 0208012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	---	---	---	---	23.70	---	---	---	---	---	---	---	---	1985
MOYEN	---	---	---	---	23.70	---	---	---	---	---	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 55 28
LONG 73 57 03 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ACHIGAN (RIVIERE DE L') ECHELLE NO.2 - STATION NO. 0208013

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	---	---	---	---	23.55	---	---	---	---	---	---	---	---	1985
MOYEN	---	---	---	---	23.55	---	---	---	---	---	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 55 28
LONG 73 57 03 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ACHIGAN (RIVIERE DE L') ECHELLE NO.3 - STATION NO. 0208014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	---	---	---	---	23.61	---	---	---	---	---	---	---	---	1985
MOYEN	---	---	---	---	23.61	---	---	---	---	---	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 55 28
LONG 73 57 03 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ALLARD (RIVIERE) - STATION NO. 03AD002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	---	---	---	---	---	25.76	25.21	---	---	---	1965
1966	---	---	---	---	---	27.11	---	---	---	25.14	---	---	---	1966
1967	---	---	---	---	---	---	---	---	24.31	25.30	---	---	---	1967
1968	---	---	---	---	25.59	---	---	---	25.96	25.77	---	---	---	1968
1969	---	---	---	---	25.51	27.14	---	---	25.41	25.89	---	---	---	1969
1970	---	---	---	---	25.46	25.95	25.14	25.46	25.49	25.30	24.57	---	---	1970
1971	---	23.53	---	23.82	25.07	---	---	24.65	24.71	---	---	---	---	1971
MOYEN	---	23.53	---	23.82	25.41	27.07	25.14	25.18	25.27	25.77	24.57	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 47 01
LONG 77 48 38 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ARCHAMBAULT (LAC) - STATION NO. 0208028

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1971	---	---	---	---	---	---	---	---	388.23	---	388.17	---	---	1971
1972	---	---	---	---	---	---	---	388.48	388.42	388.58	388.52	---	---	1972
1973	---	388.47	388.34	388.22	388.42	---	388.42	388.38	388.20	388.02	388.24	388.48	---	1973
1974	388.41	388.41	388.28	388.28	388.48	388.52	388.44	388.32	388.19	388.37	388.50	388.50	388.38	1974
1975	388.45	388.42	388.44	388.10	388.32	388.48	---	---	388.30	---	---	388.48	---	1975
1976	---	388.36	---	---	---	---	---	---	---	388.32	388.22	---	---	1976
1977	---	388.07	388.12	---	---	388.42	388.41	388.38	388.38	388.53	388.50	---	---	1977
1978	---	---	---	388.32	388.42	388.41	388.38	388.32	388.14	388.38	388.41	388.47	---	1978
1979	388.44	388.38	388.50	388.58	388.51	388.50	---	---	---	---	---	388.51	---	1979
1980	388.48	388.40	388.40	388.84	388.53	388.44	388.41	388.53	388.48	388.04	387.80	---	---	1980
1981	---	---	---	388.74	---	---	388.41	388.33	388.41	388.47	---	---	---	1981
1982	---	388.28	388.28	---	---	---	---	---	---	---	---	---	---	1982
MOYEN	388.45	388.35	388.33	388.41	388.45	388.48	388.41	388.37	388.31	388.34	388.30	388.48	388.39	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 ou 15
LONG 74 13 44

BASSIN VERSANT, 277 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ARCHAMBAULT (LAC) - STATION NO. 02OB028

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	388.81 LE 2 MAI *	388.10 LE 13 AVR *	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ARGENT (LAC D') A EASTMAIN - STATION NO. 02DH004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	---	---	---	---	---	---	---	30.08	30.01	29.99	29.94	---	---	1968
1969	---	---	---	---	29.93	30.16	30.11	30.06	29.99	30.22	30.16	29.96	---	1969
1970	---	---	---	---	---	---	---	30.16	30.18	29.78	---	---	---	1970
1971	29.56	29.48	29.62	29.93	29.85	30.11	30.14	30.28	30.24	30.18	29.78	29.85	29.91	1971
1972	29.55	29.48	29.44	29.75	29.85	29.91	30.22	30.20	30.21	30.20	30.04	30.02	29.91	1972
1973	29.94	29.88	30.14	29.97	29.94	30.01	---	---	---	---	---	---	---	1973
MOYEN	29.68	29.61	29.73	29.88	29.89	30.05	30.16	30.16	30.13	30.07	29.98	29.86	29.91	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 18 12
LONG 72 18 17 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ARGENT (LAC D') A EASTMAIN - STATION NO. 02DH004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	30.70 LE 29 AOU *	29.44 LE 4 FEV	1971
1972	---	30.34 LE 20 JUL	29.40 LE 3 MAR *	1972
1973	---	---	---	1973

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BALEINE (PETITE RIVIERE DE LA) EN AMONT DU CHENAL ANCEL - STATION NO. 03FC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.48R	28.37R	28.31R	---	1982
1983	---	---	---	27.84R	28.59R	28.78R	28.54R	28.55R	28.58R	28.65R	28.61R	28.29R	---	1983
1984	---	27.78R	27.70R	27.85R	28.42R	28.80R	28.52R	28.51R	28.74R	28.87R	28.80R	---	---	1984
1985	---	---	27.80	27.70	27.82	28.80	28.57	28.28	28.31	28.38R	28.51R	---	---	1985
1986	---	---	27.87	27.88	28.03	28.63	28.57	28.52	28.61	28.59R	28.34R	---	---	1986
1987	27.93	27.78	27.85	27.82	28.28	28.61	28.55	28.49	28.62	---	---	---	---	1987
MOYEN	27.93	27.78R	27.71R	27.84R	28.23R	28.63R	28.57R	28.47R	28.57R	28.59R	28.49R	28.30R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 284.354 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 55 40 56
LONG 74 20 09 BASSIN VERSANT, 10 400 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

BALEINE (PETITE RIVIERE DE LA) EN AMONT DU CHENAL ANCEL - STATION NO. 03FC005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	28.87 LE 3 JUN *	27.57 LE 15 AVR *	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 284.354 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BAPTISTE (LAC) - STATION NO. 02LC002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	---	---	---	28.13	---	28.15	28.31	28.28	28.24	28.27	28.13	28.08	---	1972
1973	28.08	28.08	28.17	28.12	28.27	---	28.18	28.18	28.04	27.88	28.08	28.11	---	1973
1974	28.08	28.08	28.09	28.18	28.27	---	28.48	28.10	27.87	27.84	28.19	28.31	---	1974
1975	28.28	28.27	28.28	28.33	28.12	---	---	28.02	---	28.28	---	28.10	---	1975
1976	---	---	---	28.18	28.30	28.28	28.24	28.27	28.27	28.26	28.14	28.07	---	1976
1977	28.05	28.08	28.12	28.15	28.31	28.16	28.28	28.25	28.27	---	---	28.08	---	1977
1978	28.07	28.08	28.04	28.14	28.30	28.28	28.24	28.17	28.10	28.10	28.18	28.27	28.18	1978
1979	28.28	28.28	28.30	28.14	28.31	28.30	28.28	28.24	28.28	28.32	28.30	28.28	28.27	1979
1980	28.28	28.28	28.28	28.17	28.24	28.24	28.22	28.24	28.23	28.32	28.21	---	---	1980
1981	---	28.23	28.08	28.23	28.28	28.31	28.24	28.20	28.22	28.22	28.22	28.19	---	1981
1982	28.19	28.18	28.18	28.23	28.23	28.23	28.21	---	---	---	---	---	---	1982
MOYEN	28.16	28.16	28.17	28.18	28.25	28.24	28.27	28.19	28.17	28.19	28.18	28.17	28.22	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 15 00 BASSIN VERSANT, 2.61 km²
LONG 74 41 03 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

BAPTISTE (LAC) - STATION NO. 02LC002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	28.33 LE 1 MAI	28.02 LE 13 MAR	1978
1979	---	28.51 LE 26 MAR *	27.87 LE 17 AVR *	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BARRIERE (LAC) AU BARRAGE - STATION NO. 02LD003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1974	---	---	---	---	---	---	---	197.98	197.87	197.84	198.05	---	---	1974
1976	---	---	---	---	---	198.28	198.18	198.11	197.98	---	---	---	---	1976
1977	---	---	---	---	---	198.17	198.13	198.05	197.98	198.18	---	---	---	1977
1978	---	---	---	---	---	---	---	---	---	197.80	---	---	---	1978
1979	---	---	---	198.76	198.80	198.28	198.36	---	198.12	197.84	197.85	198.13	---	1979
1980	197.86	197.76	197.71	198.43	198.28	198.07	198.08	198.18	198.01	198.15	198.27	---	---	1980
1981	---	---	198.48	198.70	198.61	198.26	198.13	198.24	198.03	198.14	---	---	---	1981
1982	---	---	---	198.24	198.82	198.18	198.21	198.05	198.03	198.03	197.98	197.86	---	1982
1983	198.10	197.95	197.92	198.33	198.86	198.44	198.12	198.02	197.85	197.85	198.02	198.00	198.12	1983
1984	197.86	197.82	197.87	198.83	198.48	198.13	198.13	198.10	198.07	197.85R	197.84R	198.32R	198.13R	1984
1985	198.19	198.03	---	---	---	198.27	198.24	198.17	198.08	198.08R	198.08R	197.96R	---	1985
1986	197.81	197.78	197.81	198.88	198.64	198.48	198.21	198.22	198.26	198.14R	198.00R	197.91R	198.15R	1986
1987	197.86	197.78	197.78	198.81	198.14	198.25	198.10	197.90	197.83	---	---	---	---	1987
MOYEN	197.96	197.87	197.84	198.54	198.48	198.26	198.18	198.08	198.03	197.98R	198.05R	198.05R	198.13R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 52 38 BASSIN VERSANT, 1 260 km²
LONG 75 05 04 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

BARRIERE (LAC) AU BARRAGE - STATION NO. 02LD003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1974	---	---	---	1974
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	198.14 LE 15 MAI *	197.78 LE 15 MAR	1983
1984	---	198.09 LE 21 AVR	197.83R LE 17 OCT	1984
1985	---	---	---	1985
1986	---	198.87 LE 17 AVR	197.74 LE 9 MAR *	1986
1987	---	198.83 LE 10 AVR	197.74 LE 1 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

BEAU PORTAGE (LAC DU) - STATION NO. 02RG014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	152.46R	152.37R	152.28R	152.24R	152.28R	152.20R	152.28R	152.38R	152.40R	152.44R	152.43R	---	---	1977
1978	152.40R	152.34R	152.28R	152.23R	152.33R	152.13R	152.16R	152.24R	152.28R	152.30R	---	---	---	1978
MOYEN	152.43R	152.36R	152.27R	152.24R	152.29R	152.17R	152.21R	152.30R	152.34R	152.37R	152.43R	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 32 05 BASSIN VERSANT, 0.28 km²
LONG 71 34 25 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

BELLE RIVIERE (RIVIERE) AU BARRAGE PRES DE SAINTE-SCHOLASTIQUE - STATION NO. 020A026

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	---	---	---	1.223	1.173	1.157	1.178	1.187	1.116	1.188	1.189	1.138	---	1972
1973	1.152	1.165	1.210	1.124	1.184	1.174	1.121	1.090	1.079	1.172	1.148	1.147	1.145	1973
1974	1.138	1.124	1.198	1.273	1.188	1.103	1.072	1.083	1.048	1.071	1.100	1.093	1.123	1974
1975	1.077	1.061	1.144	1.356	1.128	1.123	1.078	1.082	1.084	1.088	1.103	1.083	1.114	1975
1976	1.080	1.113	1.188	1.243	1.127	1.085	1.070	1.078	1.089	1.080	1.074	1.034	1.105	1976
1977	1.033	1.029	1.150	1.112	1.084	1.058	1.042	1.047	1.052	1.084	1.081	1.070	1.070	1977
1978	1.108	1.080	1.059	1.184	1.073	1.054	1.048	1.058	1.051	1.087	1.088	1.082	1.071	1978
1979	1.088	1.043	1.138	1.134	1.070	1.084	1.044	1.054	1.080	1.088	1.080	1.085	1.078	1979
1980	1.082	0.987	0.988	1.095	1.078	1.051	1.073	1.081	1.080	1.083	1.077	1.080	1.058	1980
1981	1.078	1.174	1.088	1.108	1.083	1.087	1.055	1.083	1.087	1.081	1.081	1.087	1.088	1981
1982	1.085	1.080	1.078	1.184	1.084	1.088	1.050	1.058	1.061	1.084	1.088	1.108	1.078	1982
1983	1.077	1.083	1.117	1.180	1.132	1.071	---	---	---	---	---	---	---	1983
MOYEN	1.085	1.081	1.123	1.184	1.113	1.088	1.076	1.072	1.071	1.085	1.088	1.087	1.083	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 85.294 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 38 24
LONG 74 05 57 REGULARISE

BELLE RIVIERE (RIVIERE) AU BARRAGE PRES DE SAINTE-SCHOLASTIQUE - STATION NO. 020A026

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	---	---	
1973	---	1.537 LE 29 MAR	1.081 LE 24 SEP	1972
1974	---	1.484 LE 12 JUN	1.052 LE 1 MAI	1973
		1.497 LE 15 AVR	1.033 LE 2 SEP	1974
1975	---	---	---	
1976	---	1.701 LE 20 AVR	1.027 LE 3 SEP	1975
1977	---	1.783 LE 2 AVR *	1.030 LE 17 DEC	1976
1978	---	1.338 LE 18 MAR	1.024 LE 3 FEV	1977
1979	---	1.326 LE 20 AVR	1.039 LE 23 FEV	1978
		1.848 LE 14 SEP	1.024 LE 26 FEV	1979
1980	---	---	---	
1981	---	1.401 LE 22 JUL	0.775E LE 4 MAR *	1980
1982	---	1.484 LE 21 FEV	1.048 LE 1 AOU	1981
1983	---	1.453 LE 4 AVR	1.033 LE 28 FEV	1982
		---	---	1983

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 85.294 m POUR OBTENIR LES COTES GEODESIQUES

E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BETSIAMITES (RIVIERE) AU RESERVOIR PIPMUACAN - STATION NO. 025B002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	395.64	394.61	393.53	392.22	392.26	394.17	394.75	395.70	396.44	397.43	397.64	397.38	395.15	1965
1966	396.57	395.61	394.70	394.20	394.91	397.56	397.93	398.19	398.27	398.58	398.82	398.82	397.00	1966
1967	397.86	396.91	395.83	394.72	394.39	396.13	396.89	396.98	396.93	397.81	398.47	398.18	396.78	1967
1968	397.48	396.74	395.85	395.50	396.82	397.63	397.61	397.66	398.26	398.14	398.11	397.46	397.26	1968
1969	396.84	395.85	394.53	393.49	394.03	396.79	397.70	397.81	397.76	397.63	397.43	---	---	1969
1970	396.14	395.15	394.01	392.88	393.95	396.01	397.16	396.06	396.12	396.19	397.83	396.83	396.19	1970
1971	395.72	394.66	393.63	392.51	393.71	395.47	395.48	395.17	395.06	395.47	395.58	394.84	394.74	1971
1972	393.65	392.67	391.61	390.72	390.97	394.34	395.29	395.27	395.07	395.58	395.45	394.66	393.78	1972
1973	393.76	392.90	392.04	391.51	393.78	---	---	396.45	396.49	396.68	396.74	396.25	---	1973
1974	397.28	396.27	395.31	394.65	395.07	396.11	396.49	396.66	396.52	396.44	396.15	397.38	397.20	1974
1975	396.40	395.43	394.47	393.47	394.23	396.15	396.64	397.08	397.20	397.24	396.95	396.31	395.87	1975
1976	395.31	394.28	393.26	392.97	395.62	396.33	396.53	396.57	396.80	396.67	396.35	397.49	396.70	1976
1977	396.61	395.71	394.67	393.78	395.43	397.66	397.81	397.83	397.93	398.10	398.09	397.81	396.77	1977
1978	396.85	395.81	394.20	392.95	394.02	396.76	396.02	396.13	396.02	396.23	396.15	397.41	396.52	1978
1979	396.41	395.38	394.22	393.80	396.51	396.36	396.49	396.57	396.63	396.81	396.43	397.86	397.12	1979
1980	396.80	395.78	394.43	393.42	394.87	396.26	397.07	397.86	398.08	398.45	398.20	397.63	396.89	1980
1981	396.48	395.37	394.65	394.37	396.28	396.40	396.63	396.38	397.86	397.86	397.31	396.56	396.63	1981
1982	395.86	394.36	393.01	391.84	393.28	396.26	397.31	397.86	397.78	397.74	397.89	397.81	395.87	1982
1983	396.78	395.79	394.86	394.12	396.92	396.34	396.28	396.08	---	396.45	396.13	397.83	---	1983
1984	396.76	395.71	394.80	393.48	394.76	396.86	397.21	397.38	397.21	396.82	396.32	396.51	396.07	1984
1985	394.88	393.87	392.86	392.04	392.52	394.87	396.00	396.76	396.86	396.85	396.89	395.87	394.88	1985
1986	394.63	393.67	392.90	392.36	394.47	395.86	396.45	396.86	396.87	397.24	397.13R	396.32R	395.44R	1986
1987	396.42	394.28	392.97	392.79	393.41	393.75	394.05	394.44	394.81	395.07	395.10	394.77	394.24	1987
MOYEN	396.07	395.06	393.99	393.21	394.45	396.55	397.06	397.38	397.41	397.61	397.51R	396.90R	396.08R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 21 15 BASSIN VERSANT, 13 400 km²
LONG 69 47 15 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

BETSIAMITES (RIVIERE) AU RESERVOIR PIPMUACAN - STATION NO. 02SB002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1955	---	387.83 LE 1 NOV	381.47 LE 8 MAI	1955
1956	---	388.93 LE 8 NOV	384.07 LE 18 AVR	1956
1957	---	388.54 LE 6 NOV	384.17 LE 2 MAI	1957
1958	---	388.37 LE 12 SEP	385.28 LE 14 AVR	1958
1959	---	---	---	1959
1970	---	388.33 LE 12 OCT	382.67 LE 26 AVR	1970
1971	---	386.32 LE 1 JAN	382.26 LE 21 AVR	1971
1972	---	385.81 LE 29 OCT	380.19 LE 9 MAI *	1972
1973	---	---	---	1973
1974	---	388.73 LE 26 AOU	384.43 LE 8 MAI	1974
1975	---	387.42 LE 26 SEP	383.09 LE 2 MAI	1975
1976	---	389.09 LE 16 SEP *	382.73 LE 31 MAR	1976
1977	---	388.31 LE 22 OCT	383.85 LE 19 AVR	1977
1978	---	388.37 LE 26 OCT	382.81 LE 30 AVR	1978
1979	---	388.83 LE 2 NOV	383.81 LE 20 AVR	1979
1980	---	388.81 LE 22 OCT	383.12 LE 25 AVR	1980
1981	---	388.83 LE 27 JUL	384.26 LE 3 AVR	1981
1982	---	388.02 LE 24 NOV	381.83 LE 29 AVR	1982
1983	---	---	---	1983
1984	---	387.46 LE 16 AOU	383.18 LE 26 AVR	1984
1985	---	387.00 LE 26 OCT	381.76 LE 29 AVR	1985
1986	---	387.36 LE 25 OCT	382.20 LE 18 AVR	1986
1987	---	386.88 LE 1 JAN	382.41 LE 31 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BEVI (LAC) AU PONT-ROUTE 327 - STATION NO. 02LC032

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	---	---	27.80	27.85	---	28.57	---	1966
1967	27.84	27.83	27.72	---	28.87	28.56	28.58	---	---	---	28.98	28.35	---	1967
1968	28.13	28.01	28.14	---	28.20	27.90	27.99	---	27.70	27.88	27.71	27.68	---	1968
1969	---	27.92	27.80	28.37	28.48	---	---	---	---	27.85	28.00	28.08	---	1969
1970	27.84	27.87	27.83	28.84	29.80	28.15	---	---	27.88	---	28.10	28.15	---	1970
1971	27.85	27.81	27.83	28.85	28.88	28.07	27.47	27.88	27.78	27.82	27.80	27.98	28.03	1971
1972	27.91	27.88	27.83	28.85	---	---	---	---	---	---	---	---	---	1972
MOYEN	27.93	27.88	27.88	28.88	28.21	28.17	28.01	27.88	27.88	27.87	28.12	28.17	28.03	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 57 48 LONG 74 36 58

BASSIN VERSANT, 339 km²

REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

BEVI (LAC) AU PONT-ROUTE 327 - STATION NO. 02LC032

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	30.32 LE 8 MAI *	28.79 LE 28 JUL *	1971
1972	---	---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BEVIN (RIVIERE) A LAKEVIEW - STATION NO. 02LC031

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1986	---	---	---	---	---	---	---	---	8.14	8.18	---	---	---	1986
1987	---	8.30	---	---	---	---	---	---	---	---	---	---	---	1987
MOYEN	---	8.30	---	---	---	---	---	---	8.14	8.18	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 52 42 LONG 74 34 04

REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

BIENNVILLE (LAC) - STATION NO. 03EA002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1974	---	---	---	---	---	---	---	29.85	29.80	29.85	29.71	---	---	1974
1975	---	29.19	---	29.00	29.06	30.32	30.38	30.27	29.89	29.85	29.69	---	---	1975
1976	---	---	---	---	29.29	30.41	30.00	29.81	29.82	29.76	29.63	---	---	1976
1977	---	29.20	29.11	29.06	29.34	---	30.27	30.07	29.83	29.62	29.67	---	---	1977
1978	---	29.28	---	---	---	---	29.77	29.91	30.21	29.85	29.75	---	---	1978
1979	---	---	---	---	---	---	---	29.78	29.75	29.96	29.90	29.85	---	1979
1980	29.41	29.22	29.08	---	---	---	---	---	---	29.76	29.76	29.59	---	1980
1981	29.35	29.20	29.13	29.06	29.13	---	---	---	29.48	29.57	29.55	29.40	---	1981
1982	---	---	29.08	29.00	29.21	30.04	30.05	29.79	29.65	29.60	29.57	29.46	---	1982
1983	29.32	29.17	29.05	28.89	28.83	29.89	29.30	29.70	29.84	---	---	29.57	---	1983
1984	---	---	---	29.04	29.50	30.09	29.83	29.88	29.82	---	29.78R	29.59R	---	1984
1985	29.37	29.22	29.11	29.06	29.48	---	---	29.51	29.40	29.45R	29.54R	29.44R	---	1985
1986	29.24	29.11	29.01	28.86	28.28	30.08	30.11	29.83	29.77	29.77R	29.57R	29.37R	29.51R	1986
1987	29.22	29.10	29.02	29.01	29.48	30.04	29.84	29.86	29.87	---	---	---	---	1987
MOYEN	29.33	29.19	29.06	29.02	29.34	30.14	30.01	29.82	29.73	29.70R	29.67R	29.51R	29.51R	MOYEN

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 380.642 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 55 02 00 BASSIN VERSANT, 21 000 km²
LONG 73 22 00 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1985

BIENNVILLE (LAC) - STATION NO. 03EA002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	30.22 LE 10 JUL *	28.94 LE 21 AVR *	1983
1987	---	30.12 LE 12 JUN	28.98 LE 19 AVR	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 380.642 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BLANC (LAC) - STATION NO. 02PB036

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1971	---	---	---	---	---	---	---	---	---	---	26.22	---	---	1971
1972	---	---	26.23	---	---	---	---	26.23	26.20	---	---	---	---	1972
1973	26.19	26.24	26.31	26.52	26.41	---	---	---	---	26.20	26.10	---	---	1973
1974	26.12	26.08	26.12	---	---	26.22	26.17	26.07	26.09	26.16	26.20	26.26	---	1974
1975	26.11	26.07	26.14	26.31	---	26.27	---	---	26.04	26.14	26.22	26.18	---	1975
1976	---	---	---	26.59	26.41	26.17	26.24	26.27	26.15	26.27	26.18	26.10	---	1976
1977	26.05	26.03	26.15	26.47	26.21	26.10	26.07	26.02	26.06	26.23	26.14	26.15	26.14	1977
1978	---	26.13	26.05	26.34	26.34	26.08	26.05	26.00	26.02	26.07	26.10	26.10	---	1978
1979	---	26.07	26.26	26.49	26.21	26.10	25.98	26.04	26.36	26.19	26.20	26.21	---	1979
1980	26.14	26.08	26.09	26.40	26.21	26.15	26.11	26.26	26.12	26.27	26.18	26.10	26.17	1980
1981	26.02	26.26	26.22	26.45	26.30	26.34	26.20	26.10	26.06	26.13	26.23	26.11	26.20	1981
1982	26.08	26.08	26.08	26.43	---	---	---	---	---	---	---	---	---	1982
MOYEN	26.10	26.11	26.17	26.44	26.30	26.18	26.12	26.12	26.12	26.18	26.18	26.15	26.17	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 48 12 BASSIN VERSANT, 65.0 km²
LONG 72 15 25 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

BLANC (LAC) - STATION NO. 02PB038

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	28.67 LE 23 AVR *	25.99 LE 29 JUL *	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	28.72 LE 11 AVR	26.02 LE 3 MAR	1980
1981	---	28.63 LE 6 AVR	26.00 LE 28 JAN	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BONNARD (RIVIERE) AU RESERVOIR MANOUANE - STATION NO. 02RA001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1943	489.63R	488.13R	487.63R	487.47R	488.43R	491.77R	492.53R	492.75R	493.39R	492.97R	491.97R	490.67R	490.63R	1943
1944	488.68R	487.71R	487.29R	487.09R	488.51R	490.40R	491.31R	492.25R	493.20R	493.66R	493.66R	492.71R	490.55R	1944
1945	491.32R	490.22R	489.67R	489.91R	491.52R	492.65R	493.11R	493.28R	493.29R	493.26R	493.32R	493.08R	492.06R	1945
1946	492.45R	490.86R	490.97R	491.17R	492.13R	493.28R	493.21R	493.28R	493.18R	493.31R	493.61R	492.53R	492.51R	1946
1947	490.04R	488.58R	488.21R	488.45R	489.08R	492.26R	493.22R	493.26R	493.20R	493.46R	493.53R	491.36R	491.24R	1947
1948	488.96R	487.86R	487.56R	487.43R	488.74R	491.03R	491.85R	492.94R	492.89R	492.51R	490.80R	488.27R	490.17R	1948
1949	488.12R	487.83R	487.41R	487.49R	488.86R	491.55R	493.01R	493.27R	493.33R	493.47R	493.61R	491.73R	490.81R	1949
1950	489.26R	488.11R	487.65R	487.75R	489.02R	492.05R	493.33R	493.23R	492.91R	492.68R	493.11R	493.44R	491.07R	1950
1951	491.38R	489.35R	488.38R	488.84R	490.85R	492.37R	492.33R	491.74R	491.24R	491.47R	492.11R	492.40R	491.03R	1951
1952	490.55R	488.82R	487.98R	488.02R	488.51R	491.91R	492.67R	493.12R	493.41R	493.52R	493.12R	492.14R	491.24R	1952
1953	489.83R	488.22R	487.92R	488.62R	490.03R	491.77R	492.74R	493.10R	493.14R	493.31R	492.71R	491.95R	491.13R	1953
1954	489.81R	488.82R	488.24R	488.50R	490.08R	491.81R	492.36R	492.78R	492.86R	492.91R	492.89R	492.00R	491.07R	1954
1955	488.50R	488.13R	487.65R	487.57R	488.28R	491.35R	491.91R	492.17R	491.91R	491.09R	490.78R	490.48R	490.17R	1955
1956	488.78R	487.82R	487.46R	487.34R	487.80R	490.18R	491.71R	492.55R	493.13R	493.66R	493.77R	492.94R	490.81R	1956
1957	490.28R	488.40R	487.71R	487.45R	488.53R	490.86R	492.58R	493.28R	493.68R	493.75R	493.85R	493.57R	491.16R	1957
1958	493.12R	492.48R	491.83R	491.39R	492.36R	492.35R	493.36R	493.37R	493.35R	493.30R	492.91R	491.73R	492.71R	1958
1959	489.89R	488.80R	487.98R	487.89R	489.01R	491.51R	491.93R	491.54R	490.22R	489.26R	489.49R	489.98R	489.77R	1959
1960	488.25R	488.32R	487.87R	487.66R	488.04R	491.12R	491.87R	493.00R	493.03R	493.24R	493.24R	493.04R	490.80R	1960
1961	492.22R	491.47R	488.87R	488.18R	488.36R	488.85R	488.93R	489.05R	488.08R	488.67R	490.18R	490.58R	489.70R	1961
1962	490.84R	490.96R	490.46R	490.58R	491.35R	492.73R	493.01R	493.14R	493.70R	493.82R	493.89R	492.28R	492.26R	1962
1963	490.55R	489.15R	488.33R	488.33R	489.30R	491.48R	492.58R	493.54R	493.91R	493.45R	493.42R	493.08R	491.44R	1963
1964	491.43R	490.48R	490.52R	490.62R	492.30R	494.05R	494.42R	494.48R	494.45R	494.46R	494.41R	493.92R	492.97R	1964
1965	492.32R	491.05R	491.10R	491.25R	492.03R	493.84R	494.38R	494.42R	494.42R	494.46R	494.46R	493.78R	493.15R	1965
1966	491.98R	490.87R	490.88R	491.12R	491.66R	493.77R	494.37R	494.38R	494.42R	494.44R	494.49R	494.48R	493.10R	1966
1967	493.45R	492.02R	491.98R	492.01R	492.36R	493.87R	494.06R	494.05R	494.07R	494.42R	494.49R	494.48R	493.43R	1967
1968	493.20R	491.57R	491.08R	491.40R	492.74R	493.70R	494.01R	493.96R	494.48R	494.45R	494.38R	493.48R	493.21R	1968
1969	491.82R	491.22R	491.13R	491.03R	491.74R	493.72R	493.93R	494.13R	494.38R	494.40R	494.45R	494.28R	493.03R	1969
1970	493.04R	491.55R	491.31R	491.38R	492.34R	494.06R	494.47R	494.47R	494.48R	494.48R	494.48R	493.55R	493.31R	1970
1971	491.78R	490.58R	490.04R	490.15R	491.26R	491.98R	491.05R	490.67R	491.01R	491.94R	492.82R	492.02R	491.26R	1971
1972	490.35R	489.21R	488.20R	488.35R	488.58R	492.05R	492.88R	492.55R	491.02R	490.42R	488.92R	488.81R	490.48R	1972
1973	488.15R	487.88R	487.76R	487.80R	488.90R	492.47R	493.38R	494.14R	494.44R	494.45R	494.47R	493.73R	491.57R	1973
1974	492.00R	491.08R	491.19R	491.27R	491.74R	494.03R	494.42R	494.44R	494.44R	494.43R	494.42R	493.31R	493.07R	1974
1975	491.73R	491.48R	491.65R	491.95R	492.75R	494.18R	494.42R	494.41R	494.43R	494.43R	494.43R	494.07R	493.34R	1975
1976	493.26R	492.59R	492.64R	493.07R	494.10R	494.29R	494.17R	494.16R	494.17R	494.02R	493.95R	493.53R	493.67R	1976
1977	492.95R	492.27R	491.67R	491.66R	492.75R	494.36R	494.44R	494.43R	494.42R	494.42R	494.37R	493.84R	493.47R	1977
1978	493.06R	492.24R	491.41R	490.81R	491.76R	493.36R	494.22R	494.44R	494.45R	494.43R	494.33R	493.81R	493.20R	1978
1979	493.17R	492.56R	491.89R	491.73R	493.52R	494.38R	494.24R	494.31R	494.33R	494.31R	494.36R	494.07R	493.59R	1979
1980	493.49R	492.67R	492.21R	491.86R	492.95R	494.13R	494.25R	494.42R	494.43R	494.43R	494.43R	494.10R	493.82R	1980
1981	493.50R	492.68R	491.80R	491.67R	492.76R	494.41R	494.42R	494.36R	493.67R	493.33R	492.68R	492.37R	493.17R	1981
1982	491.71R	490.50R	489.33R	488.48R	489.64R	492.09R	493.25R	493.84R	494.29R	493.99R	493.68R	493.31R	492.02R	1982
1983	492.76R	492.20R	491.60R	491.16R	492.68R	494.37R	494.45R	494.41R	494.17R	494.40R	494.09R	493.40R	493.31R	1983
1984	492.58R	491.74R	490.93R	490.64R	492.19R	493.79R	493.99R	494.19R	494.24R	494.09R	493.52R	492.33R	492.86R	1984
1985	490.73	490.55	490.75	490.63	491.01	492.62	493.37	493.64	493.24	493.01	492.64	491.54	492.00	1985
1986	490.00	488.61	488.78	490.07	491.53	492.61	492.86	492.55	492.06	491.82	491.70	490.48	491.25	1986
1987	489.36	488.84	488.74	488.38	488.78	488.80	490.63	491.59	492.86	493.38	493.19	492.77	490.85	1987
MOYEN	491.16R	490.16R	489.75R	489.72R	490.83R	492.58R	493.10R	493.31R	493.34R	493.34R	493.24R	492.88R	491.84R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 50 43 18
LONG 71 02 42

BASSIN VERSANT, 5 000 km²
REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

R - REVISEE DEPUIS JAN 1, 1988

BONNARD (RIVIERE) AU RESERVOIR MANOUANE - STATION NO. 02RA001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1943	---			
1944	---	493.58R LE 2 OCT	487.43R LE 23 AVR	1943
		493.76R LE 22 NOV	487.09R LE 29 AVR *	1944
1945	---			
1946	---	493.40R LE 18 AOU	489.85R LE 21 MAR	1945
1947	---	493.78R LE 1 DEC	490.78R LE 15 FEV	1946
1948	---	493.88R LE 6 NOV	488.11R LE 7 MAR	1947
1949	---	493.39R LE 31 AOU	487.39R LE 17 AVR	1948
		493.69R LE 7 NOV	487.34R LE 2 AVR	1949
1950	---			
1951	---	493.86R LE 12 DEC	487.83R LE 28 MAR	1950
1952	---	492.72R LE 1 JAN	488.23R LE 21 MAR	1951
1953	---	493.62R LE 11 OCT	487.79R LE 25 MAR	1952
1954	---	493.43R LE 4 OCT	487.82R LE 4 MAR	1953
		492.98R LE 28 AOU	488.19R LE 11 MAR	1954
1955	---			
1956	---	492.31R LE 3 SEP	487.45R LE 14 AVR	1955
1957	---	493.82R LE 3 NOV	487.29R LE 9 AVR	1956
1958	---	493.81R LE 20 OCT	487.39R LE 18 AVR	1957
1959	---	493.45R LE 2 JUL	490.80R LE 31 DEC	1958
		491.87R LE 30 JUN	487.83R LE 28 AVR	1959
1960	---			
1961	---	493.35R LE 13 OCT	487.82R LE 23 AVR	1960
1962	---	492.85R LE 1 JAN	487.83R LE 28 AVR	1961
1963	---	494.20R LE 13 NOV	490.42R LE 6 MAR	1962
1964	---	494.07R LE 2 OCT	488.20R LE 15 MAR	1963
		494.53R LE 16 AOU	490.43R LE 7 FEV	1964
1965	---			
1966	---	494.51R LE 23 OCT	490.91R LE 13 FEV	1965
1967	---	494.52R LE 17 OCT	490.80R LE 9 FEV	1966
1968	---	494.52R LE 21 OCT	491.96R LE 7 FEV	1967
1969	---	494.54R LE 24 OCT *	490.98R LE 27 FEV	1968
		494.50R LE 15 NOV	490.95R LE 26 MAR	1969
1970	---			
1971	---	494.51R LE 21 JUL	491.27R LE 19 FEV	1970
1972	---	492.99R LE 29 NOV	488.98R LE 10 MAR	1971
1973	---	493.18R LE 4 AOU	486.45R LE 31 DEC	1972
1974	---	494.50R LE 7 NOV	487.71R LE 7 AVR	1973
		494.47R LE 23 AOU	491.01R LE 5 FEV	1974
1975	---			
1976	---	494.47R LE 19 SEP	491.35R LE 22 JAN	1975
1977	---	494.51R LE 22 MAI	492.51R LE 13 FEV	1976
1978	---	494.47R LE 17 AOU	491.50R LE 23 MAR	1977
1979	---	494.50R LE 27 JUL	490.71R LE 10 AVR	1978
		494.49R LE 16 NOV	491.57R LE 4 AVR	1979
1980	---			
1981	---	494.50R LE 9 NOV	491.53R LE 19 AVR	1980
1982	---	494.48R LE 12 JUN	491.51R LE 3 AVR	1981
1983	---	494.42R LE 18 SEP	488.26R LE 29 AVR	1982
1984	---	494.51R LE 31 JUL	491.02R LE 17 AVR	1983
		494.28R LE 27 SEP	490.48R LE 2 AVR	1984
1985	---			
1986	---	493.70 LE 14 AOU	490.37 LE 21 JAN	1985
1987	---	492.70 LE 2 JUL	488.48 LE 29 JAN	1986
		493.49 LE 18 OCT	488.53 LE 12 FEV	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

BOUCHETTE (LAC) - STATION NO. 02RG005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	4.84	4.68	4.98	4.79	4.77	---	1977
1978	5.12	5.40	4.85	4.88	5.42	5.17	5.08	4.87	---	---	---	4.80	---	1978
1979	5.13	5.31	5.23	5.82	5.38	5.30	4.77	4.73	4.68	4.75	4.82	4.82	5.08	1979
1980	4.99	5.14	4.89	4.84	4.88	4.87	4.98	4.80	4.78	5.29	5.03	4.89	4.94	1980
1981	5.11	5.22	5.35	5.51	5.89	5.40	5.20	4.91	5.04	5.09	5.13	5.10	5.23	1981
1982	5.21	5.48	5.44	5.52	5.52	5.06	---	---	5.13	5.32	5.50	5.55	---	1982
1983	5.47	5.47	5.32	5.28	5.20	---	---	5.01	4.96	4.97	5.13	5.43	---	1983
1984	---	5.48	5.22	5.24	---	---	---	---	---	---	5.07R	5.27R	---	1984
1985	5.41	5.52	5.28	5.08	5.34	---	---	---	5.01	5.04R	5.06R	---	---	1985
1986	---	5.39	5.27	5.25	5.58	---	---	---	---	---	---	5.30R	---	1986
1987	5.39	5.36	---	---	---	4.88	4.84	---	5.05	---	---	---	---	1987
MOYEN	5.23	5.36	5.19	5.26	5.52	5.11	4.97	4.89	4.92	5.08R	5.08R	5.13R	5.08	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 15 44
LONG 72 11 40

BASSIN VERSANT, 824 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

BOUCHETTE (LAC) - STATION NO. 02RG009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	6.29 LE 30 AVR	4.58 LE 20 SEP *	1979
1980	---	5.48 LE 12 OCT	4.57 LE 22 MAR	1980
1981	---	6.34 LE 17 MAI *	4.64 LE 10 AOU	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BROME (LAC) A KNOWLTON - STATION NO. 020G021

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	196.53	196.59	196.63	---	---	---	---	1966
1967	---	---	---	---	---	---	196.54	196.56	196.47	196.65	196.53	196.63	---	1967
1968	196.39	196.31	196.47	196.75	196.63	196.67	196.66	196.63	196.57	196.57	196.52	196.53	196.56	1968
1969	196.32	196.32	196.29	197.05	196.65	196.67	196.72	196.62	196.54	196.48	---	---	---	1969
1970	196.29	196.28	196.26	196.68	196.66	196.73	196.70	196.67	196.72	196.60	196.39	196.40	196.57	1970
1971	196.26	196.24	196.37	196.79	196.93	196.70	196.60	196.67	196.80	196.69	196.52	196.48	196.60	1971
1972	196.36	196.24	196.31	196.78	196.82	196.76	196.75	196.56	196.44	196.48	196.47	196.52	196.55	1972
1973	196.50	196.58	196.82	196.74	196.86	196.64	196.64	196.59	196.67	196.63	196.53	196.77	196.66	1973
1974	196.62	196.49	196.64	197.08	196.96	196.67	196.83	196.80	196.71	196.67	196.66	196.62	196.74	1974
1975	196.41	196.26	196.56	196.66	196.79	196.75	196.59	196.46	196.64	196.80	196.80	196.67	196.63	1975
1976	196.34	196.50	---	---	196.68	196.71	196.74	196.78	196.73	196.62	196.65	196.68	---	1976
1977	---	196.20	196.70	196.98	196.73	196.70	196.70	196.64	196.70	196.98	196.72	196.64	---	1977
1978	196.53	196.46	196.30	197.01	196.88	196.84	196.73	196.67	196.52	196.60	196.50	196.61	196.63	1978
1979	196.72	196.67	196.81	196.96	196.65	196.64	196.47	196.53	196.77	196.70	196.74	196.63	196.68	1979
1980	196.46	196.28	196.36	196.97	196.95	196.68	196.69	196.64	196.81	196.75	196.76	196.77	196.73	1980
1981	196.31	196.56	196.83	197.01	196.95	197.00	196.88	196.69	196.78	196.74	196.73	196.64	196.77	1981
1982	196.38	196.26	196.36	197.10	196.80	196.76	196.81	196.78	196.70	196.65	196.76	196.60	196.68	1982
1983	196.50	196.48	196.70	197.07	197.01	196.81	196.65	196.65	196.58	196.67	196.95	196.89	197.78	1983
1984	196.45	196.53	196.58	196.76	196.90	196.74	196.73	196.61	196.56	196.54R	196.70R	196.78R	196.66R	1984
1985	196.72	196.62	196.65	196.98	196.78	196.85	196.96	196.66	196.68	196.69R	196.69R	196.66R	196.81R	1985
1986	196.65	196.60	196.69	196.65	196.89	196.80	196.94	196.95	196.81	196.78R	196.73R	196.68R	196.78R	1986
1987	196.59	196.55	196.84	196.84	196.82	126.95	196.89	196.80	196.76	---	---	---	---	1987
MOYEN	196.46	196.42	196.56	196.82	196.85	196.77	196.73	196.69	196.68	196.68R	196.65R	196.62R	196.67R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 14 42 BASSIN VERSANT, 188 km²
LONG 72 29 28 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

BROME (LAC) A KNOWLTON - STATION NO. 020G021

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	197.12 LE 30 MAR	196.17 LE 11 MAR *	1968
1969	---	---	---	1969
1970	---	197.29 LE 30 AVR	196.21 LE 28 JAN	1970
1971	---	197.25 LE 5 MAI	196.20 LE 13 FEV	1971
1972	---	197.25 LE 5 MAI	196.20 LE 18 FEV	1972
1973	---	197.26 LE 19 MAR	196.36 LE 19 JAN	1973
1974	---	197.29 LE 26 AVR	196.36 LE 4 MAR	1974
1975	---	197.27 LE 21 AVR	196.24 LE 22 FEV	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	197.39 LE 21 AVR	196.24 LE 14 MAR	1978
1979	---	197.26 LE 26 MAR	196.40 LE 30 JUL	1979
1980	---	197.11 LE 15 AVR	196.23 LE 13 MAR	1980
1981	---	197.27 LE 10 JUN	196.18 LE 31 JAN	1981
1982	---	197.54 LE 19 AVR *	196.18 LE 2 MAR	1982
1983	---	197.46 LE 18 DEC	196.32 LE 6 MAR	1983
1984	---	197.06 LE 6 MAI	196.24 LE 13 FEV	1984
1985	---	197.13 LE 8 AVR	196.50R LE 30 DEC	1985
1986	---	197.27 LE 1 AVR	196.44 LE 18 JAN	1986
1987	---	197.36 LE 1 AVR	196.52 LE 25 FEV	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

BROME (LAC) AU BARRAGE - STATION NO. 020G024

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1935	---	---	---	---	13.74	13.74	13.52	13.37	13.27	13.47	13.51	13.58	---	1935
1936	13.38	13.20	13.58	13.74	13.62	13.44	13.54	13.47	13.54	13.70	13.73	13.40	13.53	1936
1937	13.69	13.40	13.12	13.57	13.61	13.55	13.51	13.42	13.18	13.04	13.37	13.57	13.42	1937
1938	13.38	13.65	---	13.58	13.45	13.38	---	13.51	13.60	13.48	13.43	13.46	---	1938
1939	13.24	13.06	13.24	13.57	13.60	13.43	13.37	13.41	13.01	13.18	13.39	13.06	13.29	1939
1940	12.90	12.74	12.74	13.51	13.59	13.28	13.18	13.07	12.85	12.91	13.34	13.55	13.14	1940
1941	---	12.86	12.44	13.06	13.41	13.37	13.33	13.06	---	---	13.76	13.62	---	1941
1942	13.65	13.25	13.02	13.32	13.50	13.45	13.83	13.83	13.44	13.51	13.65	13.56	13.49	1942
1943	13.37	12.91	13.29	13.21	13.18	13.74	13.56	13.48	13.48	13.27	13.58	13.52	13.39	1943
1944	13.25	---	13.18	---	13.35	---	13.82	13.67	13.37	13.37	13.36	13.41	---	1944
1945	13.48	13.43	13.25	13.12	13.28	13.59	13.83	---	---	12.99	12.79	13.37	---	1945
1946	13.65	13.63	13.30	12.84	13.48	---	13.55	---	13.39	13.56	13.01	12.78	---	1946
1947	13.20	13.13	12.67	12.93	12.88	13.02	13.84	13.88	13.45	13.20	12.95	12.81	13.15	1947
1948	12.89	12.84	12.63	13.08	13.84	13.85	13.80	13.83	13.48	13.42	13.59	13.65	13.33	1948
1949	13.61	12.77	12.78	13.00	13.50	13.69	13.81	13.84	13.48	13.37	13.49	13.59	13.37	1949
1950	13.48	13.07	12.86	12.86	13.33	13.86	13.80	13.80	13.27	13.48	13.38	13.05	13.31	1950
1951	13.46	13.44	13.00	13.21	13.44	13.70	13.83	13.81	13.57	13.25	13.43	13.42	13.43	1951
1952	13.31	13.28	13.06	13.41	13.65	13.46	13.57	13.83	13.80	13.45	13.46	13.60	13.44	1952
1953	13.50	13.27	13.07	13.29	13.34	13.83	13.82	13.57	13.41	13.31	13.23	13.35	13.38	1953
1954	13.25	13.28	13.23	13.38	13.58	13.58	13.81	13.82	13.49	13.04	13.21	13.52	13.40	1954
1955	13.55	13.48	13.21	13.17	13.37	13.85	13.56	13.52	13.45	13.42	13.50	13.45	13.44	1955
1956	13.42	13.31	13.18	13.18	13.28	13.81	---	---	---	---	---	---	---	1956
MOYEN	13.38	13.18	13.06	13.25	13.44	13.54	13.55	13.48	13.38	13.32	13.39	13.40	13.37	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 17 02 BASSIN VERSANT, 188 km²
LONG 72 30 33 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

BROME (LAC) AU BARRAGE - STATION NO. 020G024

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1935	---	---	---	1935
1936	---	14.11 LE 22 MAR	13.05 LE 27 FEV	1936
1937	---	14.02 LE 20 AVR	12.88 LE 4 AVR	1937
1938	---	---	---	1938
1939	---	14.14 LE 25 AVR *	12.80 LE 22 SEP	1939
1940	---	14.05 LE 23 AVR	12.88 LE 1 JUN	1940
1941	---	---	---	1941
1942	---	13.84 LE 6 JAN	12.80 LE 8 MAR	1942
1943	---	13.86 LE 16 JUN	12.77 LE 16 FEV	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	13.96 LE 8 JUL	12.53 LE 15 MAR *	1947
1948	---	13.87 LE 21 MAI	12.89 LE 11 FEV	1948
1949	---	13.98 LE 7 JAN	12.85 LE 19 FEV	1949
1950	---	13.72 LE 25 MAI	12.88 LE 26 MAR	1950
1951	---	13.75 LE 5 JUN	12.83 LE 26 MAR	1951
1952	---	13.72 LE 10 MAI	12.98 LE 15 MAR	1952
1953	---	13.84 LE 26 AVR	12.86 LE 13 MAR	1953
1954	---	13.75 LE 2 JUN	12.83 LE 11 NOV	1954
1955	---	13.89 LE 16 JUN	12.80 LE 3 AVR	1955
1956	---	13.89 LE 13 JUN	12.98 LE 14 MAI	1956

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BROMPTON (LAC) - STATION NO. 020F015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	---	---	---	---	---	30.08	30.02	29.92	29.85	---	---	---	---	1968
1969	---	---	29.70	30.04	30.10	30.02	---	29.97	---	---	---	30.08	---	1969
1970	---	---	---	---	30.21	30.12	30.07	29.93	29.88	29.84	29.49	30.08	---	1970
1971	30.16	30.17	29.83	29.81	30.16	30.03	29.84	29.85	29.98	---	---	29.78	---	1971
1972	30.11	30.00	29.47	29.83	30.30	30.20	---	30.12	29.75	29.48	30.07	30.15	---	1972
1973	30.16	30.16	29.83	30.08	30.09	30.11	30.10	29.84	30.03	30.11	30.08	30.18	30.06	1973
1974	30.08	29.98	30.18	30.31	30.15	30.05	---	30.09	29.87	29.98	30.07	30.15	---	1974
1975	30.06	29.98	29.84	30.06	30.10	30.06	29.86	29.82	29.87	30.07	30.13	---	---	1975
1976	---	29.82	30.21	30.32	30.20	---	30.09	30.10	29.80	29.70	29.61	---	---	1976
1977	29.83	---	---	30.22	29.87	29.86	30.09	30.04	30.07	25.78	25.80	25.84	---	1977
1978	25.81	25.83	25.38	25.83	25.74	25.78	25.80	---	---	25.83	25.88	25.84	---	1978
1979	25.85	25.78	25.83	25.78	25.73	25.78	25.80	---	---	25.73	25.70	25.72	---	1979
1980	25.83	25.83	25.85	25.78	25.73	25.89	25.85	25.77	25.75	25.85	25.85	25.70	25.87	1980
1981	25.80	25.72	25.87	25.74	25.77	25.78	25.72	25.77	25.85	25.89	25.78	25.71	25.71	1981
1982	25.88	25.85	25.48	25.85	25.81	25.72	25.72	25.72	25.87	25.58	25.72	25.76	25.87	1982
1983	25.78	25.78	25.84	25.80	25.78	25.70	25.82	25.89	25.80	25.72	25.78	25.83	25.70	1983
1984	25.85	25.88	25.89	25.89	25.78	25.73	25.78	25.88	25.88	25.82R	25.89R	25.73R	25.88R	1984
1985	25.88	25.84	25.82	25.70	25.73	25.87	25.89	25.72	25.89	25.72R	25.77R	25.75R	25.89R	1985
1986	25.72	25.88	25.88	25.74	25.74	25.75	25.78	25.77	25.71	25.71R	25.73R	25.67R	25.72R	1986
1987	25.84	25.80	25.89	25.73	25.78	25.77	25.70	25.83	25.88	---	---	---	---	1987
MOYEN	27.31	27.28	27.38	27.86	27.83	27.78	27.48	28.08	27.82	27.21R	27.30R	27.34R	28.24R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 27 45 BASSIN VERSANT, 136 km²
LONG 72 68 00 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

BROMPTON (LAC) - STATION NO. 020F015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	30.43 LE 3 JUL *	29.57 LE 7 MAR	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	25.83 LE 30 AVR	25.49 LE 2 MAR	1980
1981	---	25.93 LE 28 FEV	25.55 LE 5 JAN	1981
1982	---	26.15 LE 20 AVR	25.37 LE 10 MAR	1982
1983	---	26.12 LE 17 DEC	25.40 LE 7 AVR	1983
1984	---	25.89 LE 10 MAI	25.25 LE 29 MAR	1984
1985	---	25.89 LE 5 MAR	25.22 LE 27 MAR *	1985
1986	---	26.04 LE 2 AVR	25.58 LE 16 AVR	1986
1987	---	25.94 LE 30 MAI	25.34 LE 24 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

BULSTRODE (RIVIERE) A SAINT-VALERE-1 - STATION NO. 020D010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1986	---	---	---	---	---	---	---	---	---	124.41R	124.49R	124.45R	---	1986
1987	124.27	124.21	124.49	124.84	124.40	124.43	124.30	---	---	---	---	---	---	1987
MOYEN	124.27	124.21	124.49	124.84	124.40	124.43	124.30	---	---	124.41R	124.49R	124.45R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 04 12 BASSIN VERSANT, 342 km²
LONG 71 58 44 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

BULSTRODE (RIVIERE) A SAINT-VALERE-2 - STATION NO. 020D009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1976	---	---	---	128.58	128.33	128.04	128.12	128.08	128.10	128.17	128.32	128.15	---	1976
1977	---	128.04	---	---	---	128.02	128.81	128.83	128.88	128.12	128.08	128.08	---	1977
1978	128.99	128.87	128.83	128.58	128.83	128.78	128.82	128.75	128.88	128.78	128.94	128.88	128.83	1978
1979	128.84	128.78	129.08	129.21	128.93	128.90	128.50	128.69	128.95	128.89	128.08	129.05	128.81	1979
1980	128.88	128.70	128.82	129.07	128.98	128.88	128.90	128.88	128.81	128.99	129.04	129.01	128.81	1980
1981	128.87	129.12	128.99	129.08	128.99	129.08	128.87	128.98	128.93	129.08	129.01	128.95	128.89	1981
1982	128.93	128.84	128.94	129.22	128.97	128.75	128.48	128.68	128.95	128.99	128.78	129.04	128.88	1982
1983	128.93	128.85	128.82	129.14	129.00	128.91	128.75	128.73	128.36	128.86	---	128.95	---	1983
1984	128.76	128.99	128.95	129.17	129.08	128.85	128.68	128.53	128.75	128.90R	129.02R	128.85R	128.89R	1984
1985	128.13	128.24	129.01	129.12	128.88	128.90	128.81	128.58	128.87	128.98R	129.02R	128.67R	128.78R	1985
1986	128.87	128.90	129.06	128.83	128.88	128.92	128.89	129.03	128.85	128.98R	129.01R	129.03R	128.93R	1986
1987	128.89	128.84	128.97	128.89	128.81	128.90	128.85	127.98	128.08	---	---	---	---	1987
MOYEN	128.79	128.67	128.92	128.72	128.62	128.32	128.48	128.36	128.48	128.81R	128.82R	128.82R	128.89R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 04 12 BASSIN VERSANT, 342 km²
LONG 71 58 37 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

BULSTRODE (RIVIERE) A SAINT-VALERE-2 - STATION NO. 020D009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	129.78 LE 10 JAN	127.27 LE 18 AVR	1978
1979	---	130.33 LE 25 MAR *	127.81 LE 26 SEP	1979
1980	---	129.83 LE 10 AVR	127.24 LE 26 SEP	1980
1981	---	129.88 LE 30 MAR	128.04 LE 24 FEV	1981
1982	---	130.30 LE 16 AVR	127.00 LE 21 NOV	1982
1983	---	---	---	1983
1984	---	129.85 LE 24 MAI	127.90R LE 17 DEC	1984
1985	---	129.75 LE 17 AVR	126.81 LE 31 JAN *	1985
1986	---	129.88 LE 21 MAR	128.02 LE 16 JAN	1986
1987	---	130.13 LE 31 MAR	126.98 LE 8 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

CABANO (RIVIERE) AU LAC LONG - STATION NO. 01AD003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1973	---	---	---	---	29.77	29.44	29.22	29.21	29.13	29.12	29.14	---	---	1973
1974	---	29.23	29.28	29.43	30.04	---	29.24	29.17	29.13	---	---	---	---	1974
1975	29.25	29.20	29.19	29.36	29.89	29.46	29.23	29.14	29.11	29.09	29.14	---	---	1975
1976	---	29.22	---	---	---	29.40	29.27	29.62	29.45	29.67	29.89	---	---	1976
1977	---	---	---	29.73	29.82	---	---	---	29.21	29.41	29.42	---	---	1977
1978	---	---	---	---	---	29.42	---	---	---	29.11	29.14	29.19	---	1978
1979	---	---	---	29.75	29.75	---	29.22	29.35	29.33	29.32	---	---	---	1979
1980	---	---	---	---	29.68	29.34	29.34	29.33	29.24	29.28	29.31	---	---	1980
1981	---	---	---	29.67	29.62	29.44	29.34	29.51	29.31	29.37	29.49	---	---	1981
MOYEN	29.25	29.22	29.23	29.59	29.76	29.42	29.27	29.30	29.24	29.28	29.32	29.19	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 168.271 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 27 52 BASSIN VERSANT, 172 km²
LONG 69 00 07 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CANIAPISCAU (RESERVOIR) A DUPLANTER - STATION NO. 03LB005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1981	---	---	---	---	---	---	---	---	---	---	507.287R	510.188R	---	1981
1982	511.587R	512.388R	512.942R	513.414R	514.304R	518.548R	521.758R	523.542R	524.838R	525.782R	526.468R	526.998R	518.404R	1982
1983	527.277R	527.504R	527.674R	527.809R	529.005R	530.844R	531.712R	532.435R	532.962R	533.725R	534.303R	534.821R	530.834R	1983
1984	534.818R	534.885R	534.440R	533.815R	534.208R	534.973R	535.125R	535.393R	535.427R	535.085R	534.727R	534.580R	534.782R	1984
1985	534.334R	---	---	---	---	---	---	---	---	---	---	---	---	1985
MOYEN	527.004R	524.863R	525.018R	525.078R	525.839R	528.088R	529.531R	530.457R	531.008R	531.524R	525.898R	525.891R	528.340R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 54 51 00 BASSIN VERSANT, 38 900 km²
LONG 69 48 00

DONNEES FOURNIES PAR -
HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

CANIAPISCAU (RESERVOIR) A DUPLANTER - STATION NO. 03LB005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1981	---	---	---	1981
1982	---	527.993R LE 19 DEC	511.009R LE 1 JAN *	1982
1983	---	534.748R LE 31 DEC	527.140R LE 1 JAN	1983
1984	---	535.540R LE 7 SEP *	533.718R LE 23 AVR	1984
1985	---	---	---	1985

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

CANIAPISCAU (RIVIERE) A DUPLANTER - STATION NO. 03LB003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1974	---	---	---	---	---	488.952R	489.043R	488.248R	488.235R	488.800R	488.598R	488.881R	---	1974
1975	488.841R	488.158R	488.072R	488.078R	488.473R	488.578R	489.020R	488.755R	488.504R	488.389R	488.590R	488.888R	488.358R	1975
1976	488.835R	488.385R	488.231R	488.482R	489.511R	489.807R	488.738R	488.517R	488.210R	488.148R	488.523R	488.818R	488.698R	1976
1977	488.807R	488.442R	488.334R	488.331R	488.834R	490.034R	488.814R	488.678R	488.883R	488.785R	488.854R	488.250R	488.830R	1977
1978	488.198R	488.821R	488.682R	488.389R	488.833R	489.443R	489.435R	489.234R	488.958R	488.862R	488.569R	488.888R	488.812R	1978
1979	488.010R	488.833R	488.532R	488.859R	490.078R	489.809R	488.810R	488.518R	488.883R	488.750R	489.144R	489.084R	489.000R	1979
1980	488.172R	488.018R	488.732R	488.518R	489.288R	488.718R	488.928R	488.598R	488.377R	488.520R	488.817R	489.119R	488.900R	1980
1981	488.848R	488.583R	488.481R	488.328R	488.785R	490.112R	489.239R	488.347R	488.170R	---	---	---	---	1981
MOYEN	488.801R	488.505R	488.425R	488.387R	489.114R	489.446R	489.028R	488.624R	488.490R	488.538R	488.738R	489.010R	488.783R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 54 54 40 BASSIN VERSANT, 38 900 km²
LONG 69 48 00 DEBIT NATUREL

DONNEES FOURNIES PAR -
HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

CANIAPISCAU (RIVIERE) A DUPLANTER - STATION NO. 03LB003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1974	---	---	---	1974
1975	---	490.358R LE 7 JUN	390.347R LE 10 JUN *	1975
1976	---	490.713R LE 31 MAI	488.091R LE 10 OCT	1976
1977	---	490.472R LE 8 JUN	488.302R LE 4 AVR	1977
1978	---	489.771R LE 27 JUN	488.302R LE 25 AVR	1978
1979	---	491.127R LE 24 MAI *	488.265R LE 7 NOV	1979
1980	---	490.015R LE 28 MAI	488.344R LE 25 SEP	1980
1981	---	---	---	1981

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

CHALEURS (BAIE DES) A CARLETON - STATION NO. 01BG007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1988	---	---	---	---	---	---	---	---	---	---	0.41	---	---	1988
MOYEN	---	---	---	---	---	---	---	---	---	---	0.41	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 05 25
LONG 66 06 56 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHAMPLAIN (LAC) - STATION NO. 02PC014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1978	---	---	---	---	---	---	---	29.85	29.85	29.86	29.70	---	---	1978
1980	---	---	---	29.88	29.84	---	---	29.88	29.87	29.72	29.38	29.32	---	1980
1981	29.28	29.32	29.31	29.50	29.65	29.78	29.72	29.89	---	---	---	---	---	1981
1982	---	---	---	---	---	30.13	30.07	30.04	30.08	30.10	30.14	30.08	---	1982
1983	30.08	30.02	30.00	30.04	30.38	30.20	30.09	30.08	30.08	30.09	30.08	30.03	30.09	1983
1984	29.98	29.97	29.98	30.08	30.29	30.14	30.13	30.11	30.05	30.05R	30.05R	30.05R	30.07R	1984
1985	---	---	---	---	---	30.19	---	---	---	---	---	---	---	1985
MOYEN	29.77	29.77	29.76	29.82	30.03	30.09	30.00	29.94	30.03	29.87R	29.87R	29.87R	30.08R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 39 18 BASSIN VERSANT, 17.3 km²
LONG 71 27 48 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

CHAMPLAIN (LAC) - STATION NO. 02PC014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1978	---	---	---	1978
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	30.58 LE 10 MAI *	29.98 LE 11 MAR	1983
1984	---	30.38 LE 2 MAI	29.95 LE 10 FEV *	1984
1985	---	---	---	1985

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHAMPLAIN (LAC) A PHILIPSBURG - STATION NO. 020H001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	---	---	---	---	---	---	---	---	---	---	4.075	---	1964
1965	4.175	4.232	4.286	4.388	4.802	4.361	4.223	4.215	4.329	4.509	4.623	4.782	4.395	1965
1966	4.685	4.807	5.034	5.287	5.193	4.911	4.528	4.382	4.342	4.282	4.266	4.328	4.652	1966
1967	4.301	4.386	4.386	5.192	5.279	5.036	4.777	4.583	4.463	4.486	4.533	4.684	4.672	1967
1968	4.809	4.556	4.757	5.511	5.216	4.910	4.768	4.555	4.392	4.287	4.313	4.778	4.721	1968
1969	4.744	4.771	4.882	5.735	5.047	5.412	4.880	4.801	4.642	4.441	4.678	4.788	4.888	1969
1970	4.717	4.814	4.788	5.590	5.458	5.080	4.891	4.488	4.375	4.439	4.461	4.486	4.811	1970
1971	4.471	4.482	4.750	5.538	5.212	5.391	4.815	4.693	4.585	4.648	4.422	4.547	4.805	1971
1972	4.619	4.562	4.698	5.430	5.211	5.558	5.277	5.181	4.789	4.498	4.584	5.040	5.042	1972
1973	5.183	5.333	5.578	5.929	5.623	5.847	5.567	5.040	4.731	4.852	4.514	4.853	5.219	1973
1974	5.380	5.194	5.232	5.685	5.682	5.348	4.963	4.788	4.578	4.470	4.474	4.778	5.058	1974
1975	4.884	4.596	4.618	5.334	5.483	4.988	4.817	4.423	4.425	4.745	5.015	5.060	4.850	1975
1976	4.809	5.088	5.690	6.175	5.812	5.383	5.132	5.312	5.111	5.088	5.120	4.842	5.296	1976
1977	4.610	4.488	5.183	5.814	5.482	4.808	4.520	4.437	4.524	5.387	5.458	5.332	5.012	1977
1978	5.281	5.222	4.808	5.855	5.845	5.296	4.882	4.539	4.315	4.241	4.207	4.144	4.883	1978
1979	4.826	4.820	5.378	5.854	5.481	5.119	4.891	4.488	4.642	4.577	4.808	4.745	4.885	1979
1980	4.842	4.388	4.342	5.029	4.984	4.818	4.433	4.448	4.448	4.435	4.458	4.852	4.670	1980
1981	4.809	4.878	5.405	5.275	5.058	4.892	4.644	4.708	4.780	5.134	5.388	5.051	4.978	1981
1982	4.837	4.735	4.778	5.786	5.622	5.012	4.772	4.518	4.383	4.291	4.337	4.402	4.788	1982
1983	4.487	4.841	4.818	5.383	5.248	5.748	4.877	4.753	4.528	4.390	4.886	5.840	5.025	1983
1984	5.389	5.139	5.189	5.809	5.838	5.872	5.158	4.780	4.553	4.385	4.382	4.525	5.025	1984
1985	4.845	4.857	5.081	5.340	5.154	4.833	4.887	4.449	4.382	4.523	4.884	4.732	4.781	1985
1986	4.849	4.871	4.858	5.889	5.195	5.020	4.785	4.836	4.780	4.828	4.887	4.857	4.818	1986
1987	4.880	4.801	4.893	5.588	4.992	4.751	4.678	4.482	4.407	4.573	4.889	4.798	4.728	1987
MOYEN	4.728	4.718	4.924	5.527	5.526	5.122	4.803	4.845	4.556	4.577	4.836	4.747	4.878	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 24.384 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 02 23
LONG 73 04 47 DEBIT NATUREL

CHAMPLAIN (LAC) A PHILIPSBURG - STATION NO. 020H001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	3.988 LE 24 NOV *	1964
1965	---	4.932 LE 1 DEC	4.093 LE 31 JUL	1965
1966	---	5.398 LE 21 AVR	4.173 LE 2 NOV	1966
1967	---	5.489A LE 22 AVR	4.248A LE 24 JAN	1967
1968	---	5.721 LE 8 AVR	4.127 LE 12 NOV	1968
1969	5.300 LE 27 AVR A 1835 HNE	5.291 LE 1 MAI	4.322 LE 22 OCT	1969
1970	5.278 LE 1 MAI A 0520 HNE	5.227 LE 1 MAI	4.316 LE 15 SEP	1970
1971	5.437 LE 13 MAI A 0044 HNE	5.395 LE 12 MAI	4.307 LE 22 NOV	1971
1972	5.532 LE 11 MAI A 1030 HNE *	5.474 LE 11 MAI	4.369 LE 29 OCT	1972
1973	5.163 LE 8 AVR A 1430 HNE	5.122 LE 8 AVR	4.407 LE 15 NOV	1973
1974	5.084 LE 1 MAI A 1406 HNE	5.017 LE 1 MAI	4.322 LE 21 NOV	1974
1975	5.709 LE 1 MAI A 2233 HNE	5.591 LE 2 MAI	4.328 LE 30 AOU	1975
1976	6.529 LE 5 AVR A 0726 HNE	6.514 LE 5 AVR *	4.708 LE 31 DEC	1976
1977	6.130 LE 28 AVR A 0718 HNE	6.032 LE 5 AVR	4.382 LE 15 AOU	1977
1978	6.278 LE 1 MAI A 1615 HNE	6.197 LE 30 AVR	4.112 LE 7 DEC	1978
1979	6.105 LE 6 AVR A 0756 HNE	6.023 LE 6 AVR	4.203E LE 1 JAN	1979
1980	5.348 LE 20 AVR A 0850 HNE	5.207 LE 20 AVR	4.191 LE 13 MAR	1980
1981	5.705 LE 28 FEV A 2004 HNE	5.692 LE 2 MAR	4.427 LE 1 FEV	1981
1982	6.135 LE 21 AVR A 0044 HNE	6.077 LE 26 AVR	4.198 LE 2 NOV	1982
1983	6.488A LE 6 MAI A 0838 HNE	6.468A LE 6 MAI	4.259 LE 4 NOV	1983
1984	5.931 LE 9 JUN A 1517 HNE	5.831 LE 9 JUN	4.271 LE 7 NOV	1984
1985	5.458 LE 24 AVR A 1052 HNE	5.427 LE 24 AVR	4.312 LE 31 AOU	1985
1986	6.180 LE 7 AVR A 0007 HNE	6.110 LE 8 AVR	4.452 LE 19 JAN	1986
1987	5.801 LE 10 AVR A 0740 HNE	5.768 LE 10 AVR	4.294 LE 8 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 24.384 m POUR OBTENIR LES COTES GEODESIQUES

A - JAUGE MANUELLE E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
(VOIR INDEX DE REFRENCE)

CHATEAUGUAY (RIVIERE) A CHATEAUGUAY-CENTRE - STATION NO. 020A012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1937	---	---	---	---	---	---	---	---	---	21.222	21.444	21.517	---	1937
1938	21.679	22.114	22.578	22.047	21.740	21.218	21.134	21.078	21.157	21.140	21.188	21.528	21.548	1938
1939	21.815	21.845	21.888	22.022	21.808	21.405	21.201	21.117	21.105	21.141	21.284	21.838	21.586	1939
1940	21.528	21.613	21.678	22.026	21.547	21.327	21.385	21.172	21.122	21.130	21.358	21.615	21.584	1940
1941	22.008	21.737	21.671	22.261	21.287	21.170	21.042	21.018	21.015	21.048	21.192	21.490	21.412	1941
1942	21.838	21.588	22.566	22.213	21.352	21.303	21.081	21.095	21.094	21.107	21.231	21.348	21.493	1942
1943	21.891	22.194	22.877	22.088	22.410	21.900	21.847	21.374	21.298	21.289	21.612	21.765	21.835	1943
1944	21.838	21.922	22.512	22.112	21.808	21.381	21.184	21.082	21.100	21.173	21.228	21.554	21.647	1944
1945	21.881	21.771	22.847	21.814	22.237	21.638	21.382	21.184	21.204	21.888	21.777	22.014	21.789	1945
1946	22.158	21.984	22.803	21.885	21.718	21.293	21.108	21.110	21.084	21.418	21.734	21.899	21.886	1946
1947	22.174	22.231	22.431	22.823	22.592	22.850	22.023	21.491	21.383	21.181	21.428	21.820	22.010	1947
1948	21.552	21.615	22.514	21.828	21.851	21.448	21.188	21.172	21.051	21.030	21.248	21.328	21.484	1948
1949	22.228	22.381	22.365	22.028	21.476	21.131	21.020	21.033	21.140	21.204	21.420	21.818	21.808	1949
1950	22.382	21.872	22.261	22.381	21.587	21.392	21.217	21.213	21.238	21.218	21.823	21.887	21.890	1950
1951	22.581	22.362	22.917	22.587	21.835	21.504	21.519	21.268	21.205	21.208	21.808	21.748	21.874	1951
1952	22.384	22.268	22.643	22.280	21.871	21.641	21.532	21.361	21.255	21.413	21.312	21.717	21.822	1952
1953	22.023	22.401	22.727	22.152	21.848	21.370	21.284	21.178	21.158	21.142	21.070	21.382	21.839	1953
1954	21.820	22.001	22.352	22.388	21.948	21.719	21.340	21.228	21.883	21.619	21.847	22.189	21.831	1954
1955	22.338	21.904	22.612	22.718	21.888	21.396	21.158	21.180	21.159	21.160	21.308	21.340	21.888	1955
1956	21.626	21.474	21.850	22.366	21.914	21.536	21.263	21.097	21.147	21.083	20.998	21.310	21.488	1956
1957	22.031	22.244	22.478	21.777	21.660	21.382	21.388	21.118	21.081	21.118	21.202	21.877	21.810	1957
1958	22.054	21.918	21.889	22.588	21.719	21.618	21.472	21.372	21.491	21.747	21.731	22.003	21.795	1958
1959	22.022	21.971	22.265	22.320	21.736	21.739	21.453	21.387	21.219	21.182	21.343	21.802	21.762	1959
1960	21.747	22.135	21.883	23.068	22.170	21.888	21.583	21.327	21.088	21.138	21.273	21.281	21.888	1960
1961	21.404	21.616	22.198	22.310	21.811	21.644	21.467	21.298	21.203	21.139	21.178	21.858	21.580	1961
1962	21.717	21.701	22.211	22.442	21.857	21.448	21.444	21.878	21.495	21.843	22.068	22.050	21.847	1962
1963	21.894	21.872	22.240	22.744	22.122	21.186	21.070	21.258	21.345	21.187	21.883	21.808	21.882	1963
1964	21.793	21.871	21.918	21.628	21.403	21.158	21.078	21.120	21.108	21.109	21.200	21.487	21.405	1964
1965	21.584	22.118	21.530	21.559	21.320	21.073	21.051	21.240	21.318	21.503	21.732	21.794	21.481	1965
1966	21.970	21.909	22.437	21.789	21.456	21.238	21.080	21.181	21.123	21.097	21.184	21.478	21.493	1966
1967	21.880	21.897	21.720	22.189	21.808	21.354	21.226	21.187	21.201	21.403	21.893	21.928	21.580	1967
1968	21.888	21.900	22.318	21.880	21.452	21.208	21.331	21.384	21.389	21.311	21.610	21.908	21.830	1968
1969	21.842	22.043	21.928	22.578	21.880	21.615	21.871	21.853	21.482	21.320	21.803	21.804	21.787	1969
1970	21.800	21.874	21.821	22.472	21.748	21.392	21.477	21.488	21.441	21.477	21.519	21.778	21.685	1970
1971	21.784	21.824	22.148	22.884	22.240	21.482	21.258	21.318	21.357	21.238	21.182	21.881	21.702	1971
1972	21.868	21.708	21.888	22.838	22.373	22.037	22.050	22.015	21.758	21.768	22.038	22.178	22.042	1972
1973	22.344	22.427	22.828	22.503	22.388	22.307	22.078	21.831	21.748	21.727	21.878	21.920	22.147	1973
1974	22.132	22.041	22.243	22.711	22.894	22.333	22.048	21.882	21.857	21.898	21.817	21.738	22.058	1974
1975	21.788	21.888	22.080	22.448	22.012	21.805	21.494	21.379	21.451	21.811	21.853	21.939	21.794	1975
1976	21.771	22.288	22.880	22.615	22.458	22.090	22.028	21.784	21.884	21.878	21.880	21.648	22.047	1976
1977	21.881	21.852	22.432	22.187	21.837	21.282	21.151	21.248	21.452	22.170	21.880	22.128	21.731	1977
1978	22.173	22.132	21.928	22.861	22.084	21.745	21.408	21.305	21.275	21.267	21.185	21.300	21.720	1978
1979	21.732	21.727	22.433	22.252	22.188	21.878	21.401	21.338	21.814	21.878	21.808	21.950	21.817	1979
1980	21.834	21.291	21.557	22.018	21.781	21.484	21.441	21.531	21.870	21.805	21.772	22.263	21.668	1980
1981	21.885	22.318	21.824	21.918	21.541	21.513	21.389	22.300	22.552	22.551	22.551	22.258	22.031	1981
1982	21.820	21.712	22.078	22.178	21.878	21.488	21.444	21.381	21.357	21.314	21.848	21.881	21.870	1982
1983	21.858	21.820	21.922	22.263	22.283	21.878	21.400	21.338	21.263	21.280	21.955	22.484	21.758	1983
1984	21.838	22.088	21.974	22.235	22.083	21.852	21.684	21.821	21.535	21.288	21.340	21.858	21.783	1984
1985	21.847	21.847	22.348	22.163	21.978	21.831	21.633	21.583	21.511	21.537	21.840	21.837	21.795	1985
1986	21.671	21.892	22.284	22.157	22.046	21.892	21.624	21.901	21.838	21.894	22.034	22.088	21.890	1986
1987	21.748	21.712	22.248	22.112	21.856	21.598	21.531	21.302	21.242	21.210	21.273	21.727	21.813	1987
MOYEN	21.880	21.915	22.239	22.308	21.861	21.575	21.414	21.368	21.348	21.393	21.528	21.787	21.718	MOYEN

PLAN DE REFERENCE - MINISTERE DES TRAVAUX PUBLICS
AJOUTER -20.050 m POUR OBTENIR LES COTES ARBITRAIRE

LOCATION - LAT 45 21 42
LONG 73 44 53 REGULARISE

CHATEAUGUAY (RIVIERE) A CHATEAUGUAY-CENTRE - STATION NO. 020A012

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1937	---	---	---	1937
1938	---	24.957 LE 21 MAR	20.941 LE 29 AOU	1938
1939	---	24.185 LE 10 AVR	20.871 LE 3 SEP	1939
1940	---			
1941	---	24.980 LE 10 AVR	20.890 LE 23 SEP	1940
1942	---	23.251 LE 3 AVR	20.883 LE 10 AOU	1941
1943	---	24.117 LE 19 MAR	20.840 LE 23 AOU	1942
1944	---	24.528 LE 27 MAR	21.130 LE 9 OCT	1943
		24.881 LE 28 MAR	20.985 LE 9 AOU	1944
1945	---			
1946	---	24.175 LE 18 MAR	21.048 LE 19 AOU	1945
1947	---	24.887 LE 10 MAR	20.837 LE 3 SEP	1946
1948	---	24.013 LE 7 AVR	20.889 LE 31 OCT	1947
1949	---	25.095 LE 17 MAR	20.898 LE 28 OCT	1948
		24.772 LE 26 MAR	20.882 LE 12 JUL	1949
1950	---			
1951	---	25.309 LE 29 MAR *	21.028 LE 9 OCT	1950
1952	---	25.126 LE 30 MAR	20.938 LE 30 AOU	1951
1953	---	23.801 LE 28 MAR	21.083 LE 5 NOV	1952
1954	---	23.803 LE 17 MAR	20.858 LE 4 NOV	1953
		23.498 LE 2 MAR	21.115 LE 4 AOU	1954
1955	---			
1956	---	24.373 LE 13 MAR	21.017 LE 14 OCT	1955
1957	---	23.884 LE 6 AVR	20.888 LE 29 OCT	1956
1958	---	24.721 LE 16 MAR	20.877 LE 31 OCT	1957
1959	---	23.486 LE 6 AVR	20.883 LE 9 AOU	1958
		22.816 LE 10 AVR	20.981 LE 21 SEP	1959
1960	---			
1961	---	25.132 LE 3 AVR	21.002 LE 28 SEP	1960
1962	---	23.279 LE 4 MAR	20.892 LE 15 OCT	1961
1963	---	24.254 LE 29 MAR	21.185 LE 14 JUN	1962
1964	---	25.013 LE 31 MAR	21.005 LE 2 JUL	1963
		22.819 LE 6 MAR	20.958 LE 26 JUN	1964
1965	---			
1966	---	23.807 LE 13 FEV	20.883 LE 4 JUL	1965
1967	---	24.144 LE 6 MAR	21.083 LE 17 OCT	1966
1968	---	23.848 LE 3 AVR	21.115 LE 8 AOU	1967
1969	---	23.880 LE 22 MAR	21.112 LE 18 JUN	1968
		23.291 LE 11 AVR	21.187 LE 11 OCT	1969
1970	---			
1971	---	23.520 LE 10 AVR	21.188 LE 22 JUN	1970
1972	---	23.848 LE 22 AVR	21.142 LE 15 NOV	1971
1973	---	23.605 LE 8 AOU	21.588 LE 23 OCT	1972
1974	---	24.263 LE 9 MAR	21.493 LE 30 OCT	1973
		24.748 LE 5 AVR	21.404 LE 12 NOV	1974
1975	---			
1976	---	23.770 LE 20 AVR	21.307 LE 25 AOU	1975
1977	---	23.849 LE 22 MAR	21.453 LE 5 DEC	1976
1978	---	24.098 LE 12 MAR	21.090 LE 28 JUL	1977
1979	---	24.181 LE 14 AVR	19.881 LE 31 MAR *	1978
		23.742 LE 8 MAR	21.221 LE 31 JUL	1979
1980	---			
1981	---	22.903 LE 19 MAR	20.806 LE 11 MAR	1980
1982	---	24.194 LE 29 OCT	21.212 LE 31 JUL	1981
1983	---	23.752 LE 1 AVR	21.186 LE 23 AOU	1982
1984	---	23.595 LE 14 DEC	21.112 LE 4 OCT	1983
		23.287 LE 18 FEV	21.183 LE 1 NOV	1984
1985	---			
1986	---	23.895 LE 27 FEV	21.288 LE 3 NOV	1985
1987	---	24.143 LE 20 MAR	21.431 LE 13 JAN	1986
		23.848 LE 28 MAR	21.043 LE 6 SEP	1987

PLAN DE REFRENCE - MINISTERE DES TRAVAUX PUBLICS
AJOUTER -20.050 m POUR OBTENIR LES COTES ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHAUDIERE (RIVIERE) A SAINT-LAMBERT-DE-LEVIS - STATION NO. 02PJ005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	20.83	21.10	21.32	---	1982
1983	21.48	21.44	21.86	22.49	21.83	21.12	20.83	20.81	20.86	20.81	21.27	21.63	21.27	1983
1984	21.28	21.86	21.87	22.41	21.44	21.36	21.32	20.80	20.71	20.82R	20.85R	21.30R	21.30R	1984
1985	21.82	21.44	21.82	22.43	21.24	21.00	20.85	20.71	20.79	20.97R	21.18R	21.08R	21.27R	1985
1986	21.38	21.32	21.83	21.84	21.18	20.84	20.82	21.22	21.06	21.12R	21.10R	21.81R	21.28R	1986
1987	21.46	21.32	21.86	21.82	21.04	21.06	20.86	20.86	20.72	---	---	---	---	1987
MOYEN	21.44	21.41	21.88	22.20	21.31	21.09	20.82	20.80	20.79	20.95R	21.12R	21.37R	21.28R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 81.440 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 35 18 BASSIN VERSANT, 5 820 km²
LONG 71 12 59 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1985

CHAUDIERE (RIVIERE) A SAINT-LAMBERT-DE-LEVIS - STATION NO. 02PJ005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	23.43 LE 27 AVR	20.86 LE 21 JUL *	1983
1984	---	23.48 LE 6 AVR	20.82 LE 18 SEP	1984
1985	---			
1986	---	23.33 LE 18 AVR	20.82 LE 25 AOU	1985
1987	---	24.07 LE 1 AVR	20.70 LE 24 JUN	1986
		24.02 LE 2 AVR *	20.86 LE 8 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 81.440 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHAUDIERE (RIVIERE) A SAINTE-MARIE - STATION NO. 02PJ006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	43.09	43.46	43.84	---	1982
1983	43.84	43.42	43.70	45.58	44.41	43.38	42.47	42.44	42.56	43.00	43.71	43.88	43.52	1983
1984	43.31	43.80	43.85	45.36	44.01	43.79	43.75	42.76	42.57	42.81R	43.11R	43.41R	43.64R	1984
1985	43.41	43.28	44.08	45.15	---	---	---	---	42.86	43.20R	43.59R	43.18R	---	1985
1986	43.62	43.73	44.10	44.81	43.54	43.10	43.07	43.69	43.24	43.43R	43.91R	43.22R	43.59R	1986
1987	43.21	43.07	43.90	44.53	43.33	43.37	42.93	42.67	42.67	---	---	---	---	1987
MOYEN	43.44	43.46	43.83	45.04	43.82	43.41	43.08	42.84	42.78	43.11R	43.56R	43.54R	43.56R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 97.560 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 26 08 BASSIN VERSANT, 5 570 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1986
LONG 71 01 18 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHAUDIERE (RIVIERE) A SAINTE-MARIE - STATION NO. 02PJ006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	47.20 LE 27 AVR	42.37 LE 21 JUL *	1983
1984	---	46.76 LE 18 AVR	42.38 LE 20 SEP	1984
1985	---	---	---	1985
1986	---	47.90 LE 1 AVR	42.59 LE 23 JUN	1986
1987	---	48.92 LE 2 AVR *	42.38 LE 27 AOU	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 97.560 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHAUDIERE (RIVIERE) AU RESERVOIR SARTIGAN - STATION NO. 02PJ015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	45.26	45.49	45.64	---	1982
1983	45.50	45.58	45.64	46.41	45.70	45.45	45.05	45.02	45.08	45.27	45.49	45.64	45.47	1983
1984	45.25	45.58	45.78	46.18	45.58	45.46	45.10	45.02	45.15R	45.27R	45.34R	45.44R	45.44R	1984
1985	45.40	45.70	45.83	46.10	45.48	45.34	45.27	45.30	45.23	45.40R	45.43R	45.21R	45.48R	1985
1986	45.44	45.53	45.86	45.86	45.42	45.20	45.18	45.43	45.27	45.50R	45.29R	45.31R	45.43R	1986
1987	45.38	45.47	45.82	---	45.41	45.36	45.04	---	---	---	---	---	---	1987
MOYEN	45.39	45.59	45.85	46.09	45.51	45.39	45.20	45.21	45.15	45.32R	45.38R	45.38R	45.46R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 128.765 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 05 52 BASSIN VERSANT, 3 070 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1986
LONG 70 38 22 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHAUDIERE (RIVIERE) AU RESERVOIR SARTIGAN - STATION NO. 02PJ015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	47.34 LE 10 AVR	44.26 LE 12 MAR *	1983
1984	---	47.66 LE 7 AVR	44.64 LE 11 SEP	1984
1985	---	47.34 LE 17 AVR	44.89 LE 30 MAI	1985
1986	---	48.18 LE 28 JAN *	44.50R LE 18 NOV	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 128.765 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

CHAUDIERE (RIVIERE) EN AVAL DU BARRAGE A MEGANTIC - STATION NO. 02PJ012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	46.04	45.98	46.27	---	1982
1983	46.21	46.13	46.01	46.74	46.64	46.32	45.89	45.87	45.87	46.22	46.05	46.46	46.22	1983
1984	45.89	46.05	46.39	47.00	46.65	46.52	46.32	45.86	45.92	46.04R	45.82R	46.10R	46.22R	1984
1985	46.26	45.98	46.47	46.87	46.97	46.18	46.14	46.00	46.19	46.25R	46.19R	46.03R	46.27R	1985
1986	46.15	46.44	46.25	46.84	46.29	45.96	45.85	46.18	---	46.41R	46.94R	46.06R	---	1986
1987	45.97	45.96	46.14	47.21	46.13	46.25	46.02	45.91	45.87	---	---	---	---	1987
MOYEN	46.11	46.11	46.25	46.93	46.52	46.25	46.06	45.96	45.98	46.19R	46.09R	46.19R	46.24R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 346.027 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 34 26 BASSIN VERSANT, 775 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1986
LONG 70 52 50 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHAUDIERE (RIVIERE) EN AVAL DU BARRAGE A MEGANTIC - STATION NO. 02PJ012

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	48.27 LE 5 MAI	45.81 LE 28 SEP *	1984
		47.98 LE 1 JUN	45.77 LE 16 JUN	
1985	---	---	---	1985
1986	---	47.79 LE 27 AVR	45.83R LE 15 DEC	1986
1987	---	---	---	1987
		48.58 LE 2 AVR *	45.80 LE 8 SEP	

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 343.027 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

CHAUDIERE (RIVIERE) EN AVAL DU BARRAGE SARTIGAN - STATION NO. 02PJ014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	29.48	29.69	29.70	---	1982
1983	29.68	30.10	29.96	30.43	30.10	29.71	29.06	29.05	29.13	29.44	29.70	29.85	29.66	1983
1984	29.54	29.81	29.76	30.45	29.97	29.85	29.71	29.19	29.06	29.26R	29.39R	29.51R	29.62R	1984
1985	29.73	29.74	30.04	30.22	29.82	29.48	29.40	29.20	29.37	29.57R	29.74R	29.35R	29.64R	1985
1986	29.60	31.07	31.37	30.01	29.68	29.36	29.33	29.63	29.46	29.63R	29.46R	29.57R	29.64R	1986
1987	29.49	29.49	29.81	30.19	29.59	29.80	29.34	29.05	29.13	---	---	---	---	1987
MOYEN	29.61	30.04	30.21	30.26	29.83	29.80	29.37	29.22	29.23	29.47R	29.80R	29.80R	29.70R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 137.885 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 05 52 BASSIN VERSANT, 3 070 km²
LONG 70 39 22 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

CHAUDIERE (RIVIERE) EN AVAL DU BARRAGE SARTIGAN - STATION NO. 02PJ014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	31.79 LE 21 MAR	28.71 LE 10 NOV *	1984
		31.21 LE 1 JUN	28.87 LE 12 SEP	
1985	---	---	---	1985
1986	---	31.28 LE 26 FEV	29.02 LE 23 AOU	1986
1987	---	32.44 LE 30 MAR *	28.88R LE 22 NOV	1987
		31.99 LE 1 AVR	28.77 LE 25 AOU	

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 137.885 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

CHAUDIERE (RIVIERE) EN AVAL DU RUISSEAU DROLET - STATION NO. 02PJ002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	17.28	17.44	17.64	---	1982
1983	17.61	17.48	17.44	18.12	18.05	17.88	17.18	17.18	---	---	---	---	---	1983
MOYEN	17.61	17.48	17.44	18.12	18.05	17.88	17.18	17.18	---	17.28	17.44	17.64	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 41 30 BASSIN VERSANT, 1 170 km²
LONG 70 47 09 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHENE (RIVIERE DU) AU SUD DU VILLAGE DE BELLE-RIVIERE - STATION NO. 020A026

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1986	3.581	3.628	4.135	3.429	3.214	3.260	3.257	---	---	---	---	3.359	---	1986
1987	3.298	3.608	---	---	---	---	---	---	3.183	3.223	---	3.382	---	1987
MOYEN	3.428	3.668	4.135	3.429	3.214	3.260	3.257	---	3.183	3.223	---	3.378	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 33.898 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 38 48 BASSIN VERSANT, 53.5 km²
LONG 74 08 17 DEBIT NATUREL

CHENE (RIVIERE DU) AU SUD DU VILLAGE DE BELLE-RIVIERE - STATION NO. 02OA028

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1986	5.361 LE 19 MAR A 2239 HNE *	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 32.895 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHIBOUGAMAU (LAC) DANS LA BAIE DU COMMENCEMENT - STATION NO. 03AA006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	13.59	13.46	13.41	---	13.24	---	1984
1985	13.15	13.02	12.86	12.87	13.13	13.45	13.38	13.50	13.42	13.37	13.25	13.13	13.20	1985
1986	12.88	12.85	12.81	12.85	13.21	---	---	---	13.48	13.51	13.81	13.45	---	1986
1987	13.23	12.84	12.77	12.56	12.84	13.34	13.23	12.82	12.63	---	---	---	---	1987
1988	---	---	---	---	---	13.22	13.11	13.09	13.16	13.13	---	12.98	---	1988
1989	12.80	---	---	---	---	---	---	---	---	---	---	---	---	1989
MOYEN	13.07	12.94	12.81	12.89	13.06	13.34	13.24	13.26	13.23	13.38	13.43	13.20	13.20	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 351.441 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 53 58
LONG 74 14 34 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHIBOUGAMAU (LAC) DANS LA BAIE DU COMMENCEMENT - STATION NO. 03AA006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	---	---	1984
1985	---	13.57 LE 13 AOU *	12.83 LE 27 AVR	1985
1986	---	---	---	1986
1987	---	13.39 LE 1 JAN	12.83 LE 24 AVR *	1987
1988	---	---	---	1988
1989	---	---	---	1989

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 351.441 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHIBOUGAMAU (LAC) DANS LA BAIE QUEYLUS - STATION NO. 03AA007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	---	---	---	---	---	---	74.68	74.53	74.48	74.35	74.29	---	1964
1965	74.20	74.10	---	73.93	---	74.47	---	74.62	74.43	74.38	74.24	74.14	---	1965
1966	74.04	73.98	73.95	73.89	74.23	74.55	74.44	74.64	74.42	74.48	74.53	74.45	74.30	1966
1967	74.33	74.18	74.07	74.01	74.16	74.39	74.31	74.17	74.06	74.18	74.41	74.33	74.22	1967
1968	74.18	74.10	73.98	74.05	74.35	74.28	74.18	74.18	74.23	74.19	74.18	74.08	74.18	1968
1969	74.05	73.98	73.94	73.92	74.20	74.55	74.52	74.38	74.28	74.22	74.28	74.23	74.21	1969
1970	74.15	74.05	74.01	73.97	74.35	74.69	74.68	74.85	74.39	74.28	74.13	74.05	74.28	1970
1971	73.89	73.86	73.84	73.92	74.20	74.27	74.18	---	74.20	74.23	74.20	---	---	1971
1973	---	---	---	---	---	---	---	---	74.41	---	---	---	---	1973
1974	---	74.05	74.00	73.98	74.40	74.82	74.65	---	---	74.15	---	---	---	1974
1975	---	---	73.98	73.94	74.28	74.58	---	---	---	74.23	74.20	---	---	1975
1976	74.05	74.01	---	74.02	74.28	74.62	---	---	74.38	74.25	74.21	---	---	1976
1977	---	---	74.00	73.98	74.38	74.54	74.43	---	74.25	74.14	---	74.05	---	1977
1978	74.04	74.05	74.05	---	---	---	---	---	74.42	---	---	---	---	1978
1981	---	---	---	29.36	29.60	29.85	29.50	29.23	29.12	---	---	---	---	1981
1982	---	29.07	29.04	29.07	29.48	---	---	---	---	---	---	---	---	1982
MOYEN	74.12	69.97	69.91	67.08	68.82	70.78	68.43	68.77	70.84	74.28	74.27	74.21	74.23	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 44 53
LONG 74 23 56

BASSIN VERSANT, 1 020 km^2
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

CHIBOUGAMAU (LAC) DANS LA BAIE QUEYLUS - STATION NO. 03AA007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	74.61 LE 8 AOU	73.93 LE 17 MAR	1966
1967	---	74.48 LE 12 NOV	73.98 LE 29 AVR	1967
1968	---	74.40 LE 19 MAI	73.95 LE 26 MAR	1968
1969	---	74.60 LE 11 JUN	73.81 LE 1 AVR *	1969
1970	---	74.76 LE 15 JUN *	73.94 LE 21 AVR	1970
1971	---	---	---	1971
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1981	---	---	---	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CHICOUTIMI (RIVIERE) AU RESERVOIR KENOGAMI - STATION NO. 02RH002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1910	26.96	25.84	25.11	26.38	27.42	27.87	---	---	27.39	27.55	---	26.66	---	1910
1911	25.00	24.86	24.88	25.20	---	27.70	27.77	27.10	---	26.51	25.72	25.77	---	1911
1912	26.49	25.44	---	26.78	27.39	---	27.87	27.87	---	---	---	---	---	1912
1923	---	---	---	---	---	---	---	---	---	28.75	27.63	27.32	---	1923
1924	28.00	25.29	25.36	25.77	28.44	31.09	31.01	31.02	31.09	30.82	30.98	30.80	28.98	1924
1925	29.65	28.29	27.30	27.21	31.19	34.85	34.88	34.72	33.84	34.32	34.04	33.43	31.88	1925
1926	32.22	30.33	27.98	28.51	30.40	34.84	34.88	34.40	33.84	33.20	33.72	33.77	32.11	1926
1927	32.29	30.26	27.81	28.60	31.87	34.95	34.87	34.44	33.24	33.44	34.94	34.79	32.48	1927
1928	33.95	32.44	30.32	28.89	31.36	34.81	34.85	34.93	34.29	33.93	34.33	33.90	33.17	1928
1929	33.18	31.52	29.26	27.27	32.16	34.78	34.85	34.84	34.83	34.77	34.88	34.20	33.04	1929
1930	33.31	32.01	30.11	28.19	32.85	34.86	34.85	34.73	34.89	34.28	34.14	34.41	33.22	1930
1931	33.41	31.59	29.11	28.67	34.09	34.88	34.83	34.63	34.83	34.87	34.89	34.76	33.38	1931
1932	34.58	33.71	31.28	29.35	32.98	34.81	34.90	34.87	34.78	34.88	34.49	33.28	33.86	1932
1933	32.31	31.63	30.22	29.03	31.78	34.85	34.73	34.02	33.42	33.74	33.62	32.73	32.88	1933
1934	31.55	28.84	27.83	26.88	33.89	34.88	34.84	34.49	33.83	33.04	33.27	34.81	32.43	1934
1935	33.85	32.21	29.56	27.37	33.28	34.88	34.77	34.49	33.59	33.70	34.18	33.32	32.83	1935
1936	31.88	30.14	28.68	28.90	33.77	34.76	34.52	34.44	34.14	34.61	34.34	33.48	32.92	1936
1937	33.57	32.17	29.89	27.85	33.78	34.74	34.46	34.34	34.04	34.01	34.77	34.13	33.12	1937
1938	32.88	31.08	28.84	28.84	33.58	34.76	34.77	34.87	34.77	34.76	34.37	33.84	33.09	1938
1939	32.61	30.63	28.44	26.23	31.92	34.88	34.81	34.74	34.54	34.83	34.73	34.14	32.71	1939
1940	32.83	31.38	29.83	27.05	31.73	34.78	34.50	33.30	32.82	32.31	32.71	33.15	32.20	1940
1941	32.57	31.31	29.41	28.74	34.85	34.82	34.73	33.37	34.47	34.82	34.87	34.68	33.33	1941
1942	33.40	31.31	29.02	27.03	34.13	34.80	34.61	33.68	31.88	31.20	31.55	30.88	31.84	1942
1943	28.50	28.41	27.19	28.05	30.50	34.80	34.87	34.91	34.44	33.83	34.61	33.89	31.82	1943
1944	32.41	30.28	27.83	28.82	32.44	34.69	34.84	34.88	34.46	34.81	34.85	34.20	32.88	1944
1945	32.75	30.75	28.54	32.74	34.80	34.83	34.79	34.68	34.08	34.47	34.88	34.08	33.48	1945
1946	32.87	31.18	29.22	28.03	33.71	34.71	34.80	33.89	32.43	33.85	34.87	34.49	32.91	1946
1947	33.57	32.10	29.75	27.54	32.11	34.73	34.85	34.45	34.45	33.75	32.68	31.89	32.85	1947
1948	30.58	28.12	27.27	26.88	32.37	34.84	34.80	34.40	34.10	34.84	34.40	33.58	32.25	1948
1949	32.29	30.80	28.32	27.18	32.41	34.84	34.50	33.80	33.82	34.70	34.38	33.34	32.53	1949
1950	32.87	31.88	29.45	27.42	32.18	34.87	34.87	34.84	33.87	33.37	34.74	34.70	32.84	1950
1951	33.47	31.88	29.28	27.40	32.50	33.88	34.44	34.77	33.71	33.44	33.38	33.91	32.89	1951
1952	32.85	31.14	28.62	28.18	32.53	34.69	34.38	34.82	34.48	34.38	34.28	33.49	32.87	1952
1953	32.38	30.88	29.18	31.78	34.25	34.17	33.80	32.26	31.80	32.24	31.28	31.80	32.19	1953
1954	31.33	30.40	29.18	28.78	34.25	34.85	34.43	34.37	34.09	34.82	34.34	34.25	32.80	1954
1955	33.04	30.98	28.47	27.41	34.52	34.43	34.15	34.35	34.24	34.24	33.70	32.82	32.72	1955
1956	31.74	30.18	28.25	28.37	29.21	34.40	34.78	34.43	34.25	34.87	34.17	33.32	32.18	1956
1957	31.90	30.32	28.10	28.83	34.27	34.88	34.73	34.21	34.08	34.72	34.86	34.53	32.81	1957
1958	34.13	32.35	29.85	28.75	34.28	34.85	34.77	34.80	34.75	34.77	34.57	33.95	33.46	1958
1959	32.88	31.22	29.07	27.20	32.84	34.58	34.84	34.88	34.75	34.84	34.92	34.84	33.00	1959
1960	33.48	31.84	29.78	28.21	32.81	33.81	33.41	33.51	33.90	34.82	34.88	34.81	32.88	1960
1961	33.40	31.81	29.40	27.47	31.94	34.89	34.78	34.75	34.80	34.03	33.85	33.48	32.85	1961
1962	32.55	31.18	29.29	27.98	33.27	34.82	34.84	34.48	33.71	33.85	33.59	32.84	32.88	1962
1963	31.85	29.96	27.91	26.77	32.70	34.74	34.89	34.50	34.85	34.90	34.87	34.80	32.70	1963
1964	33.07	31.13	28.64	27.40	34.05	34.84	34.85	34.33	34.85	34.17	33.87	33.80	32.90	1964
1965	34.58	33.28	30.83	27.82	31.25	34.54	33.93	34.41	34.51	34.88	34.51	33.90	33.22	1965
1966	33.03	31.55	29.24	27.98	32.38	34.85	34.48	34.85	34.33	34.55	34.88	34.80	33.08	1966
1967	33.56	31.86	28.89	28.51	31.02	34.83	34.88	34.38	33.87	34.25	34.80	33.89	32.84	1967
1968	32.26	30.81	28.15	30.41	34.55	34.55	33.86	33.81	33.02	31.86	32.15	31.85	32.23	1968
1969	30.81	29.18	27.13	25.83	31.88	34.78	34.33	34.45	34.85	34.20	34.88	33.83	32.14	1969
1970	32.46	31.03	29.24	27.42	34.17	34.77	34.37	34.09	34.38	34.77	34.33	32.89	32.85	1970
1971	31.48	29.88	28.25	28.68	32.40	34.80	33.89	33.70	34.84	34.78	34.84	33.78	32.43	1971
1972	32.63	30.77	28.38	28.33	30.19	34.83	34.84	34.42	34.19	34.82	34.73	34.04	32.80	1972
1973	32.73	31.18	29.13	28.74	34.80	34.74	34.81	34.43	34.18	34.28	34.80	34.34	33.18	1973
1974	32.84	31.13	29.26	27.46	31.67	34.81	34.39	34.37	34.08	34.80	34.81	34.25	32.78	1974
1975	32.73	31.05	29.11	28.88	31.30	34.85	34.84	33.89	33.82	34.82	34.88	34.70	32.72	1975
1976	33.73	32.07	29.74	29.18	33.01	34.85	34.82	34.78	34.19	33.80	33.71	33.13	33.05	1976
1977	31.86	30.25	28.42	28.23	32.88	34.85	34.80	34.89	34.83	34.78	34.87	34.23	32.88	1977
1978	33.02	31.42	29.05	28.38	31.25	34.92	34.81	34.48	34.16	34.84	34.78	34.30	32.77	1978
1979	33.28	31.55	29.83	29.40	---	34.85	34.38	33.49	32.74	33.40	---	34.58	---	1979
1980	33.80	31.78	29.17	28.74	33.22	34.12	34.89	34.77	34.80	34.88	34.87	34.30	33.25	1980
1981	33.18	32.04	33.04	33.72	34.72	34.83	34.82	33.83	32.31	33.04	34.72	34.38	33.89	1981
1982	33.32	31.88	29.18	27.13	32.57	34.90	34.85	33.80	33.57	33.85	34.78	34.92	32.85	1982
1983	34.84	33.15	30.70	28.83	34.16	34.87	34.57	34.12	32.98	32.84	32.88	33.30	33.07	1983
1984	32.40	30.83	29.47	28.88	33.84	34.81	34.89	34.77	33.81	32.88R	32.81R	33.75R	32.71R	1984
1985	33.22R	31.83R	29.28R	27.10R	32.85R	35.02R	34.87R	34.83R	33.90R	33.85R	33.34R	32.82R	32.72R	1985
1986	31.48R	---	---	29.28R	34.58R	34.95R	34.87R	34.77R	34.77R	34.81R	---	34.48R	---	1986
1987	33.37	31.36	28.85	30.98	33.29	34.81	---	---	34.22	---	---	---	---	1987
MOYEN	32.28R	30.78R	28.88R	27.84R	32.58R	34.45R	34.34R	34.09R	33.85R	33.88R	33.88R	33.43R	32.72R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 129.083 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 18 35 BASSIN VERSANT, 3 980 km²
LONG 71 12 44 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

CHICOUTIMI (RIVIERE) AU RESERVOIR KENOGAMI - STATION NO. 02RH002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1910	---	---	---	1910
1911	---	---	---	1911
1912	---	---	---	1912
1923	---	---	---	1923
1924	---	31.24 LE 10 NOV	25.21 LE 26 FEV	1924
1925	---	35.02 LE 24 JUN	26.81 LE 23 AVR	1925
1926	---	35.02 LE 30 JUN	25.18 LE 22 AVR *	1926
1927	---	35.08 LE 22 NOV	25.23 LE 18 AVR	1927
1928	---	35.04 LE 17 JUL	26.87 LE 1 MAI	1928
1929	---	35.06 LE 9 JUL	26.82 LE 20 AVR	1929
1930	---	34.89 LE 6 AOU	27.85 LE 12 AVR	1930
1931	---	35.08 LE 25 SEP	27.01 LE 10 AVR	1931
1932	---	35.10 LE 5 OCT	26.79 LE 9 AVR	1932
1933	---	34.89 LE 2 JUL	26.08 LE 15 AVR	1933
1934	---	35.01 LE 4 JUL	25.67 LE 12 AVR	1934
1935	---	35.10 LE 24 JUN	26.35 LE 15 AVR	1935
1936	---	35.02 LE 4 JUN	26.02 LE 19 MAR	1936
1937	---	34.95 LE 5 JUN	27.04 LE 14 AVR	1937
1938	---	35.01 LE 15 AOU	27.35 LE 16 AVR	1938
1939	---	35.14 LE 16 AOU	25.85 LE 20 AVR	1939
1940	---	35.03 LE 21 JUN	26.08 LE 27 AVR	1940
1941	---	35.17 LE 30 JUN	27.10 LE 13 AVR	1941
1942	---	35.45 LE 17 JUN	26.04 LE 18 AVR	1942
1943	---	35.15 LE 19 AOU	25.84 LE 23 AVR	1943
1944	---	35.01 LE 8 NOV	25.51 LE 22 AVR	1944
1945	---	35.15 LE 27 JUN	27.81 LE 27 MAR	1945
1946	---	35.10 LE 22 JUL	26.29 LE 15 AVR	1946
1947	---	35.35 LE 27 MAI	27.24 LE 12 AVR	1947
1948	---	35.23 LE 20 OCT	26.31 LE 3 AVR	1948
1949	---	35.15 LE 17 JUN	26.72 LE 13 AVR	1949
1950	---	35.17 LE 19 JUN	26.02 LE 15 AVR	1950
1951	---	35.23 LE 4 AOU	26.43 LE 10 AVR	1951
1952	---	35.06 LE 25 AOU	25.52 LE 15 AVR	1952
1953	---	34.82 LE 21 MAI	26.32 LE 25 MAR	1953
1954	---	34.81 LE 5 JUN	27.22 LE 10 AVR	1954
1955	---	35.05 LE 22 SEP	25.87 LE 14 AVR	1955
1956	---	34.95 LE 20 JUL	26.10 LE 26 AVR	1956
1957	---	35.13 LE 15 NOV	25.26 LE 19 AVR	1957
1958	---	35.14 LE 15 OCT	25.94 LE 16 AVR	1958
1959	---	35.26 LE 9 NOV	26.55 LE 23 AVR	1959
1960	---	35.08 LE 19 NOV	27.36 LE 17 AVR	1960
1961	---	35.14 LE 24 JUN	26.84 LE 21 AVR	1961
1962	---	35.15 LE 22 MAI	27.72 LE 21 AVR	1962
1963	---	35.06 LE 25 NOV	26.21 LE 17 AVR	1963
1964	---	35.15 LE 27 MAI	25.91 LE 13 AVR	1964
1965	---	35.09 LE 13 OCT	27.12 LE 29 AVR	1965
1966	---	35.08 LE 27 MAI	27.03 LE 19 AVR	1966
1967	---	34.90 LE 27 OCT	25.88 LE 26 AVR	1967
1968	---	34.92 LE 22 MAI	25.96 LE 31 MAR	1968
1969	---	35.12 LE 1 JUN	25.21 LE 10 AVR	1969
1970	---	35.20 LE 5 JUN	26.71 LE 20 AVR	1970
1971	---	35.28 LE 27 AOU	26.14 LE 21 AVR	1971
1972	---	35.15 LE 23 JUN	25.75 LE 26 AVR	1972
1973	---	35.06 LE 1 JUN	26.71 LE 16 AVR	1973
1974	---	34.94 LE 9 NOV	26.92 LE 24 AVR	1974
1975	---	35.00 LE 28 JUN	26.44 LE 21 AVR	1975
1976	---	34.94 LE 17 AOU	26.36 LE 16 AVR	1976
1977	---	35.04 LE 24 JUN	27.26 LE 18 AVR	1977
1978	---	35.11 LE 26 JUN	25.73 LE 22 AVR	1978
1979	---	---	---	1979
1980	---	35.16 LE 18 AOU	27.31 LE 10 AVR	1980
1981	---	35.10 LE 25 JUN	31.51 LE 20 FEV	1981
1982	---	35.07 LE 5 DEC	26.28 LE 17 AVR	1982
1983	---	35.08 LE 19 JUN	27.90 LE 15 AVR	1983
1984	---	35.09 LE 25 MAI	27.67 LE 12 AVR	1984
1985	---	37.80R LE 10 JUN *	26.39R LE 17 AVR	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 139.083 M POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

CHIENS (RIVIERE AUX) PRES DE BOISBRIAND - STATION NO. 020A032

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1981	---	---	---	---	---	---	---	---	0.381	0.447	0.537	0.438	---	1981
1982	---	---	---	---	0.417	0.388	0.327	0.334	0.383	0.388	0.433	0.482	---	1982
1983	0.418	0.461	0.436	0.358	0.282	0.108	---	---	-0.084	0.185	0.409	0.188	---	1983
1984	0.258	0.341	0.439	0.508	0.303	0.243	0.194	0.171	0.150	0.189	0.228	0.279	0.273	1984
1985	0.248	0.270	0.611	0.480	0.258	0.232	0.174	0.153	0.151	0.189	0.284	0.244	0.274	1985
MOYEN	0.307	0.357	0.496	0.450	0.309	0.242	0.232	0.218	0.194	0.270	0.374	0.387	0.274	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 38 18
LONG 73 54 51 DEBIT NATUREL

CHIENS (RIVIERE AUX) PRES DE BOISBRIAND - STATION NO. 020A032

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1981	1.008 LE 28 OCT A 0800 HNE	0.848 LE 28 OCT	---	1981
1982	0.846 LE 25 AOU A 1735 HNE	---	---	1982
1983	0.891 LE 20 MAR A 0400 HNE	0.880 LE 20 MAR	---	1983
1984	1.028 LE 23 MAR A 0002 HNE	0.935 LE 23 MAR	0.139 LE 29 SEP	1984
1985	1.209 LE 13 MAR A 1425 HNE *	1.135 LE 13 MAR *	0.129 LE 21 SEP *	1985

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CINCONSINE (RUISSEAU) AU RESERVOIR CINCONSINE - STATION NO. 02NE009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	31.15	31.11	31.09	31.44	32.59	32.81	32.24	31.48	31.71	31.73	31.48	32.09	31.73	1983
1984	31.02	30.57	30.54	31.02	32.57	33.25	32.40	31.89	31.82	30.66	30.60	30.81	31.44	1984
1985	30.69	30.61	30.60	30.90	32.18	33.06	32.58	32.77	32.71	32.92	33.60	32.44	32.08	1985
1986	30.91	30.46	30.45	31.18	32.61	33.27	33.50	33.04	32.71	32.05	32.09	32.50	32.09	1986
1987	31.66	30.80	30.74	30.88	32.41	33.82	33.66	32.72	31.94	32.54	33.58	32.75	32.31	1987
1988	31.83	30.85	30.80	31.44	32.78	33.26	33.42	32.67	32.18	---	---	---	---	1988
MOYEN	31.24	30.77	30.67	31.14	32.58	33.19	32.96	32.45	32.18	32.02	32.25	32.08	31.83	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 22 41
LONG 73 01 37

BASSIN VERSANT, 211 km²
REGULARISE

DONNEES FOURNIES PAR -
HYDRO-QUEBEC

CINCONSINE (RUISSEAU) AU RESERVOIR CINCONSINE - STATION NO. 02NE009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	32.98 LE 3 JUN	30.92 LE 8 NOV	1983
1984	---	33.39 LE 28 JUN	30.53 LE 12 MAR	1984
1985	---	33.59 LE 11 NOV	30.57 LE 28 FEV	1985
1986	---	33.52 LE 3 JUL	30.43 LE 16 FEV *	1986
1987	---	33.84 LE 5 JUL *	30.71 LE 7 AVR	1987
1988	---	---	---	1988

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

COATICOOK (RIVIERE) EN AMONT DU PONT A WATERVILLE - STATION NO. 020E040

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1979	88.76	88.64	88.82	88.84	88.74	---	---	88.69	88.74	88.71	88.78	88.77	---	1979
1980	88.73	88.68	88.74	88.74	88.78	88.78	88.71	88.70	88.74	88.74	88.78	88.81	88.74	1980
1981	88.72	88.67	88.78	88.75	88.71	88.78	88.68	88.71	88.64	88.74	88.69	88.71	88.74	1981
1982	88.68	88.69	88.71	88.97	88.67	88.67	88.68	88.67	88.68	88.70	88.88	88.69	88.71	1982
1983	88.75	88.76	88.84	88.71	88.69	88.67	88.65	88.66	88.65	88.85	88.85	88.85	88.71	1983
1984	88.74	88.72	88.70	88.64	88.68	88.72	88.74	88.89	88.68	88.68R	88.70R	88.77R	88.70R	1984
1985	88.74	88.74	88.82	88.73	88.75	88.75	87.90	88.63	88.49	88.71R	88.75R	88.73R	88.64R	1985
1986	88.79	88.78	88.83	88.81	88.75	88.72	88.62	88.74	88.74	88.70R	88.77R	88.77R	88.76R	1986
1987	88.73	88.69	88.80	88.81	88.75	88.78	88.74	88.87	88.70	---	---	---	---	1987
MOYEN	88.74	88.74	88.78	88.78	88.72	88.73	88.69	88.68	88.67	88.70R	88.73R	88.78R	88.71R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 100.000 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 18 42
LONG 71 53 25

BASSIN VERSANT, 515 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

COATICOOK (RIVIERE) EN AMONT DU PONT A WATERVILLE - STATION NO. 020E040

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1979	---	---	---	1979
1980	---	88.16 LE 27 AVR	88.17 LE 16 AVR	1980
1981	---	90.02 LE 28 OCT	87.88 LE 16 JUL	1981
1982	---	90.11 LE 19 AVR *	87.85 LE 29 DEC	1982
1983	---	89.74 LE 15 DEC	88.11 LE 13 JAN	1983
1984	---	89.48 LE 31 MAI	88.42 LE 24 MAR	1984
1985	---	89.29 LE 28 MAR	87.90 LE 24 JUL *	1985
1986	---	89.48 LE 21 MAR	87.54 LE 15 JUL	1986
1987	---	89.37 LE 1 AVR	88.63 LE 5 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 100.000 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

COATICOOK (RIVIERE) PRES DE NORTH-COATICOOK - STATION NO. 030E010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1930	---	---	---	---	---	---	---	---	---	---	24.88	24.78	---	1930
1931	24.74	24.85	24.78	24.88	24.82	24.87	24.88	24.83	24.71	24.66	24.70	24.78	24.75	1931
1932	24.85	24.72	24.77	25.02	24.78	24.86	24.71	24.85	24.84	24.80	24.74	24.80	24.78	1932
1933	24.79	24.78	24.84	25.27	24.84	24.88	24.72	24.78	24.88	24.74	24.80	24.84	24.82	1933
1934	25.01	25.00	24.98	25.08	24.88	24.78	24.72	24.72	24.73	24.78	24.82	24.89	24.87	1934
1935	25.01	25.02	25.35	25.18	25.08	24.83	24.88	24.80	24.85	24.95	25.00	25.10	25.00	1935
1936	25.08	25.02	24.89	25.24	25.26	24.90	24.84	24.81	24.82	24.90	24.84	24.84	24.97	1936
1937	25.07	24.98	25.14	25.15	25.00	24.86	24.90	24.90	25.00	24.91	24.93	25.12	24.99	1937
1938	25.12	25.19	25.21	25.40	25.20	25.05	24.97	24.95	24.95	25.01	24.99	---	---	1938
1939	---	---	---	---	---	---	---	---	---	---	---	---	---	1939
1940	25.02	25.13	25.11	25.54	25.38	25.00	24.93	24.81	24.92	24.93	25.04	25.02	25.08	1940
1941	25.12	25.09	25.11	25.34	---	24.95	24.93	24.82	24.89	24.91	25.01	25.04	---	1941
1942	25.08	25.13	25.48	25.45	25.43	25.26	24.99	24.98	25.11	25.34	25.24	25.17	25.22	1942
1943	25.21	25.37	25.41	25.55	25.51	---	25.13	25.10	25.15	25.15	25.26	25.23	---	1943
1944	25.42	25.39	25.71	25.51	25.31	25.13	25.15	25.07	25.16	25.18	25.19	25.20	25.28	1944
1945	---	25.45	25.64	25.41	25.47	25.28	25.21	25.12	25.26	25.41	25.27	25.57	---	1945
1946	25.40	25.42	---	25.35	25.33	25.10	25.36	25.13	25.05	25.19	25.23	25.30	---	1946
1947	---	25.30	25.35	25.62	25.59	25.43	25.32	25.22	25.26	25.26	25.26	25.37	---	1947
1948	25.44	25.51	25.65	25.56	25.51	25.31	25.24	25.17	24.98	25.01	25.23	25.30	25.32	1948
1949	25.35	25.48	25.60	---	25.48	25.41	25.34	25.32	25.33	25.29	25.38	25.55	---	1949
1950	25.57	25.60	25.50	25.47	24.85	24.58	24.41	24.49	24.52	24.45	24.48	24.49	24.84	1950
1951	24.45	25.22	---	24.88	24.62	24.41	24.38	24.39	24.38	24.38	24.48	24.61	---	1951
1952	24.73	24.74	24.75	24.80	24.67	24.71	24.42	24.38	24.40	24.37	24.42	24.60	24.58	1952
1953	24.84	24.89	24.76	24.77	24.58	24.37	24.38	24.34	24.32	24.35	24.36	24.84	24.61	1953
1954	24.58	24.78	24.88	24.81	24.78	24.88	24.41	24.48	24.88	24.72	24.82	24.88	24.83	1954
1955	24.58	24.78	24.82	24.81	24.83	24.48	24.28	24.44	24.23	24.24	24.41	24.38	24.80	1955
1956	24.87	24.47	24.83	24.98	24.80	24.42	24.34	24.32	24.31	24.38	24.40	24.49	24.61	1956
1957	24.61	24.61	24.88	24.82	24.56	24.38	24.45	24.34	24.33	24.39	24.58	---	---	1957
1958	---	24.70	24.57	24.97	24.58	24.48	24.82	24.48	24.40	24.47	24.83	24.55	---	1958
1959	24.78	24.72	24.74	25.12	24.80	24.71	24.54	24.54	24.47	24.87	24.84	24.78	24.72	1959
1960	24.82	24.82	24.82	25.36	24.89	24.81	24.75	24.74	24.78	24.85	24.87	24.81	24.84	1960
1961	24.84	---	---	25.89	25.85	25.78	25.61	25.55	25.50	25.47	25.59	25.61	---	1961
1962	25.55	25.71	25.71	26.08	25.90	25.64	25.72	25.61	25.71	25.93	25.94	25.74	25.79	1962
1963	25.71	25.78	---	---	---	23.87	23.91	23.99	23.99	23.90	24.01	24.22	---	1963
1964	25.74	25.71	---	---	---	25.55	25.56	25.60	25.48	25.61	25.84	25.73	---	1964
1965	25.77	26.00	26.02	25.83	---	---	---	25.55	25.69	25.72	25.79	25.73	---	1965
1966	25.78	26.01	26.13	25.86	25.91	25.63	25.56	25.66	25.62	25.59	25.82	25.71	25.76	1966
1967	24.52	24.89	24.82	24.67	---	---	24.27	24.30	24.32	24.50	24.43	24.36	---	1967
1968	24.88	25.01	25.02	24.83	24.39	24.47	24.27	24.20	24.18	24.22	24.31	24.36	24.68	1968
1969	24.88	---	24.88	24.92	24.88	24.38	24.24	24.28	24.16	24.13	---	24.46	---	1969
1970	24.88	25.08	24.71	24.83	24.87	24.21	24.16	24.16	24.29	24.28	24.34	24.83	24.47	1970
1971	24.88	24.78	24.78	24.75	24.72	24.27	24.15	24.18	24.18	24.18	24.19	24.38	24.43	1971
1972	24.84	24.71	24.78	24.84	24.80	24.38	24.34	24.30	24.14	24.28	24.34	24.87	24.48	1972
MOYEN	25.00	25.11	25.09	25.21	25.03	24.83	24.77	24.77	24.77	24.81	24.88	24.92	24.88	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 10 25
LONG 71 48 08

BASSIN VERSANT, 381 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

COATICOOK (RIVIERE) PRES DE NORTH-COATICOOK - STATION NO. 020E010

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1930	---	---	---	1930
1931	---	25.57 LE 12 AVR	24.41 LE 21 JUL	1931
1932	---	25.74 LE 7 OCT	24.52 LE 10 SEP	1932
1933	---	25.97 LE 18 AVR	24.59 LE 29 JUL	1933
1935	---	25.63 LE 17 MAR	24.64 LE 26 JUN	1935
1936	---	25.29 LE 17 MAR	24.68 LE 19 FEV	1936
1937	---	25.10 LE 6 AVR	24.73 LE 22 AOU	1937
1938	---	25.01 LE 21 SEP	24.66 LE 3 MAR	1938
1939	---	---	---	1939
1940	---	25.15 LE 4 MAI	24.64 LE 31 JUL	1940
1941	---	---	---	1941
1942	---	27.12 LE 14 JUN *	24.66 LE 5 JUN	1942
1943	---	---	---	1943
1944	---	25.69 LE 26 MAR	24.69 LE 13 AOU	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	25.56 LE 16 MAR	24.66 LE 25 SEP	1948
1949	---	---	---	1949
1950	---	25.65 LE 20 AVR	24.29 LE 26 JUL	1950
1951	---	---	---	1951
1952	---	25.02 LE 2 JUN	24.12 LE 4 DEC	1952
1953	---	25.37 LE 24 JAN	24.17 LE 24 OCT	1953
1954	---	25.61 LE 23 AVR	24.20 LE 26 AOU	1954
1955	---	25.77 LE 15 AVR	23.94 LE 22 OCT *	1955
1956	---	25.34 LE 17 AVR	24.19 LE 13 AOU	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	25.29 LE 28 NOV	24.37 LE 6 SEP	1959
1960	---	25.56 LE 1 AVR	24.37 LE 26 JAN	1960
1961	---	---	---	1961
1962	---	25.75 LE 30 AVR	25.31 LE 13 JAN	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	27.07 LE 25 MAR	25.35 LE 7 AOU	1966
1967	---	---	---	1967
1968	---	25.69 LE 20 MAR	23.95 LE 19 OCT	1968
1969	---	---	---	1969
1970	---	25.58 LE 25 AVR	24.00 LE 23 JUL	1970
1971	---	25.87 LE 17 MAR	24.03 LE 6 OCT	1971
1972	---	26.10 LE 5 MAI	24.06 LE 21 SEP	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CORNU (LAC) AU BARRAGE-CORNU - STATION NO. 02LC012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	389.12	388.88	388.91	389.13	389.53	389.80	389.10	388.82	388.90	388.81	388.88	388.89	389.08	1964
1965	389.18	389.24	388.78	389.00	389.80	389.66	389.53	389.43	389.32	389.39	389.35	389.32	389.31	1965
1966	389.47	389.55	389.51	389.07	389.11	389.47	389.48	389.40	389.35	389.37	389.48	389.43	389.38	1966
1967	389.28	389.18	388.85	389.13	389.52	389.56	389.48	389.37	389.12	389.21	389.24	389.18	389.28	1967
1968	389.13	389.00	388.84	389.08	389.20	389.35	389.52	389.50	389.15	389.08	389.08	389.13	389.17	1968
1969	389.10	389.07	388.83	389.05	389.11	389.21	389.28	389.32	389.31	389.32	389.42	389.44	389.21	1969
1970	389.42	389.45	389.18	389.13	389.39	389.43	389.52	389.54	389.56	389.57	389.53	389.52	389.43	1970
1971	389.52	389.56	389.50	389.22	389.27	389.33	389.37	389.43	389.55	389.60	389.53	389.54	389.46	1971
1972	389.52	389.52	389.48	389.41	389.47	389.52	389.73	389.63	389.56	389.64	389.47	389.41	389.53	1972
1973	389.41	389.43	389.37	389.30	389.50	389.57	389.60	389.62	389.57	389.60	389.62	389.61	389.52	1973
1974	389.54	389.65	389.48	389.38	389.53	389.59	389.52	389.38	389.17	389.17	389.40	389.48	389.45	1974
1975	389.45	389.50	389.29	389.13	389.43	389.67	389.61	389.39	389.23	389.39	389.61	389.58	389.43	1975
1976	389.35	389.35	---	389.43	389.42	---	---	389.68	389.73	389.67	389.68	389.67	---	1976
1977	389.49	389.45	---	389.37	389.30	389.33	389.49	389.59	389.64	389.66	---	---	---	1977
1978	389.56	389.52	389.23	389.16	389.44	389.47	389.60	389.64	389.62	389.63	389.72	389.74	389.53	1978
1979	---	389.63	389.42	389.36	389.65	389.71	389.73	389.68	389.72	389.71	389.69	389.66	---	1979
1980	389.67	389.51	389.41	389.57	389.70	389.68	---	389.68	---	---	389.61	389.58	---	1980
1981	---	389.62	389.45	---	389.68	389.71	389.66	389.49	389.25	389.33	389.62	389.51	---	1981
1982	389.49	389.46	389.38	389.33	389.48	389.64	389.74	389.62	389.71	389.65	---	389.60	---	1982
1983	389.55	389.53	389.35	389.33	389.53	389.57	389.47	389.44	389.44	389.60	389.68	389.66	389.52	1983
1984	389.66	389.63	389.40	389.47	389.64	389.70	389.68	389.70	389.69	389.68R	389.68R	389.68R	389.60R	1984
1985	389.63	389.57	389.37	389.42	389.59	389.63	389.67	389.68	389.65	---	---	389.61R	---	1985
1986	389.58	389.57	389.56	389.65	389.71	389.68	389.69	389.70	389.66	389.60R	389.61R	389.50R	389.63R	1986
1987	389.47	389.46	389.43	389.59	389.67	389.67	389.63	389.67	389.50	---	---	---	---	1987
MOYEN	389.44	389.44	389.27	389.29	389.49	389.55	389.54	389.52	389.45	389.48R	389.48R	389.48R	389.41R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 05 25 BASSIN VERSANT, 13.1 km²
LONG 74 25 35 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

CORNU (LAC) AU BARRAGE-CORNU - STATION NO. 02LC012

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	389.68 LE 27 MAI	388.81 LE 24 NOV	1984
1985	---	389.67 LE 11 MAI	388.74 LE 23 MAR *	1985
1986	---	389.58 LE 7 MAR	388.85 LE 9 AVR	1986
1987	---	389.85 LE 28 JUN	388.78 LE 28 MAR	1987
1988	---	389.57 LE 17 JUL	388.78 LE 16 MAR	1988
1989	---	389.47 LE 22 NOV	388.79 LE 17 MAR	1989
1970	---	389.85 LE 26 NOV	389.01 LE 6 AVR	1970
1971	---	389.86 LE 31 JAN	389.14 LE 9 AVR	1971
1972	---	389.89 LE 22 JUL	389.34 LE 25 MAI	1972
1973	---	389.78 LE 1 JUL	389.17 LE 15 AVR	1973
1974	---	389.78 LE 1 MAI	389.12 LE 12 AVR	1974
1975	---	389.84 LE 16 JUN	389.00 LE 15 AVR	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	389.84 LE 5 DEC	389.02 LE 11 AVR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	389.78 LE 4 MAI	389.20 LE 8 AVR	1984
1985	---	389.77 LE 8 JUN	389.24 LE 4 AVR	1985
1986	---	---	---	1986
1987	---	389.89 LE 13 SEP *	389.49R LE 20 NOV	1987
		389.78 LE 5 JUN	389.33 LE 25 MAR	

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

COXIPI (RIVIERE) A LA SORTIE DU LAC COXIPI - STATION NO. 02XB002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.45	28.73	28.49	---	1982
1983	28.36	28.67	28.36	28.89	28.98	29.17	28.95	28.69	---	28.67	29.26	28.88	---	1983
1984	---	---	---	28.38	28.98	29.48	29.00	28.91	28.46	28.44R	28.41R	28.42R	---	1984
1985	28.30	28.21	28.14	28.20	28.85	29.83	29.20	28.76	28.80	28.81R	28.59R	28.38R	28.69R	1985
1986	28.84	29.01	---	28.89	28.87	28.82	28.64	28.58	28.48	28.42R	28.33R	---	---	1986
1987	---	---	28.03	28.58	28.55	28.84	28.62	28.50	28.41	---	---	---	---	1987
MOYEN	28.41	28.63	28.18	28.59	28.54	28.29	28.88	28.73	28.55	28.62R	28.68R	28.49R	28.69R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 51 30 08 BASSIN VERSANT, 1 080 km²
LONG 58 23 48 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

COXIPI (RIVIERE) A LA SORTIE DU LAC COXIPI - STATION NO. 02XB002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	30.49 LE 8 JUN *	29.12 LE 13 MAR *	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

CREEK OUTLET - STATION NO. 02RH028

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	---	---	---	---	---	---	---	---	28.69	---	1983
1984	28.65	28.66	28.72	---	---	28.75	28.75	28.75	28.70	28.70R	28.73R	28.77R	---	1984
1985	28.78	28.77	28.78	28.80	28.81	28.76	---	---	---	---	---	---	---	1985
1986	---	28.65	28.81	28.83	28.78	28.74	28.76	28.77	28.80	28.80R	28.78R	---	---	1986
1987	---	---	28.73	28.85	28.77	---	---	---	28.67	---	---	---	---	1987
MOYEN	28.72	28.78	28.78	28.78	28.79	28.75	28.77	28.78	28.72	28.78R	28.78R	28.73R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 21 17 BASSIN VERSANT, 3 990 km²
LONG 71 :0 10 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

DECHARGE DU LAC DES SEIZE ILES EN AVAL DU BARRAGE - STATION NO. 02LC034

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	---	---	2.84	2.87	---	2.83	---	1966
1967	---	---	---	3.07	---	---	---	---	2.74	2.88	2.80	---	---	1967
1968	---	---	---	3.08	2.81	2.82	2.80	2.88	2.71	2.74	2.80	2.88	---	1968
1969	2.82	2.85	2.80	3.13	---	---	---	2.78	2.71	2.71	2.90	2.90	---	1969
1970	2.83	2.85	2.82	3.06	---	2.89	---	2.85	2.88	---	2.87	2.87	---	1970
1971	2.81	2.82	2.83	2.99	3.08	2.75	2.73	2.75	2.80	2.84	2.84	2.81	2.85	1971
1972	2.86	2.86	2.84	---	---	---	---	---	---	---	---	---	---	1972
MOYEN	2.83	2.85	2.82	3.07	2.94	2.75	2.77	2.72	2.71	2.76	2.84	2.88	2.85	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 52 37 LONG 74 38 43 — BASSIN VERSANT, 40.7 km² REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

DECHARGE DU LAC DES SEIZE ILES EN AVAL DU BARRAGE - STATION NO. 02LC034

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	3.28 LE 6 MAI *	2.68 LE 28 MAI *	1971
1972	---	---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DESVAUX (LAC) - STATION NO. 04MA005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	277.08	277.05	276.98	277.21	277.80	277.70	277.37	277.34	277.40	277.43	277.27	277.14	277.32	1964
1965	277.07	277.05	277.03	277.00	277.75	277.58	277.40	277.38	277.42	277.44	277.32	277.16	277.30	1965
1966	277.07	277.03	276.95	277.21	277.61	277.41	277.30	277.46	277.35	277.41	277.52	277.63	277.33	1966
1967	277.33	277.08	276.97	277.30	276.09	277.58	277.33	277.23	277.19	277.13	277.38	277.33	277.33	1967
1968	277.09	277.03	277.00	277.26	277.43	277.43	277.64	277.42	277.25	277.25	277.18	277.08	277.25	1968
1969	277.04	276.98	277.00	277.15	277.89	277.47	277.39	277.58	277.41	277.24	277.48	277.39	277.32	1969
1970	277.11	277.01	276.97	277.11	277.85	277.60	277.48	277.24	277.18	277.18	277.05	277.05	277.22	1970
1971	277.01	276.98	276.95	277.15	277.72	277.50	277.24	277.21	277.14	277.19	277.28	277.36	277.23	1971
1972	277.27	277.20	277.16	277.17	277.72	277.54	277.33	277.32	277.44	277.84	277.48	277.23	277.37	1972
1973	277.15	277.11	277.10	277.41	277.82	277.42	277.34	277.22	277.24	277.40	277.40	277.34	277.34	1973
1974	277.26	277.24	277.22	277.30	277.98	277.71	277.37	277.28	277.31	277.40	277.38	277.27	277.39	1974
1975	277.21	277.14	277.10	277.13	277.74	277.56	277.37	277.27	277.22	277.17	277.16	277.18	277.27	1975
1976	277.15	277.10	277.12	277.85	277.80	277.48	277.38	277.40	277.58	277.87	277.37	277.18	277.43	1976
1977	277.12	277.07	277.10	277.57	277.81	277.41	277.35	277.23	277.19	277.17	277.21	277.22	277.28	1977
1978	277.15	277.11	277.03	277.09	277.76	277.57	277.51	277.56	277.42	277.33	277.17	277.13	277.32	1978
1979	277.12	277.08	277.06	277.33	278.16	277.74	277.43	277.57	277.48	277.38	277.48	277.38	277.44	1979
1980	277.20	277.10	277.05	277.29	277.81	277.33	277.32	277.40	277.43	277.55	277.38	277.18	277.34	1980
1981	277.11	277.08	277.13	277.75	277.62	277.40	277.34	---	277.18	277.29	277.32	277.25	---	1981
1982	277.19	277.15	277.10	277.23	277.75	277.42	277.28	277.28	277.19	277.17	277.27	277.24	277.27	1982
1983	277.19	277.12	277.10	277.15	277.82	277.58	277.32	277.24	277.19	277.20	277.16	276.63	277.14	1983
1984	277.27	277.07	277.11	277.43	277.88	277.47	277.45	277.22	---	277.25R	277.27R	277.29R	---	1984
1985	---	277.11	---	277.23	277.71	---	---	---	---	277.63R	277.62R	277.71R	---	1985
1986	277.58	277.50	277.46	277.83	278.02	277.51	277.22	277.27	277.37	277.55R	277.59R	277.83R	277.64R	1986
1987	277.44	277.41	277.38	277.63	277.81	277.77	277.60	277.46	277.31	---	---	---	---	1987
MOYEN	277.18	277.12	277.09	277.32	277.78	277.53	277.38	277.34	277.32	277.38R	277.33R	277.21R	277.32R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 11 10 LONG 79 21 11 — BASSIN VERSANT, 17.2 km² REGULARISE — DONNEES FOURNIES PAR - HYDRO-ONTARIO

R - REVISEE DEPUIS JAN 1, 1988

DESVAUX (LAC) - STATION NO. 04MA005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	278.01 LE 3 MAI	278.84 LE 4 AVR	1984
1985	---	278.01 LE 19 MAI	278.98 LE 18 AVR	1985
1986	---	277.70 LE 4 DEC	278.84 LE 10 MAR	1986
1987	---	278.25 LE 6 MAI	278.95 LE 19 MAR	1987
1988	---	277.84 LE 28 AVR	278.99 LE 15 MAR	1988
1989	---	277.76 LE 9 MAI	278.87 LE 18 FEV	1989
1970	---	277.73 LE 6 MAI	278.84 LE 14 MAR	1970
1971	---	277.78 LE 10 MAI	278.93 LE 13 MAR	1971
1972	---	277.68 LE 14 MAI	277.10 LE 16 AVR	1972
1973	---	277.89 LE 13 MAI	277.06 LE 6 MAR	1973
1974	---	278.11 LE 19 MAI	277.17 LE 7 AVR	1974
1975	---	277.89 LE 10 MAI	277.06 LE 13 AVR	1975
1976	---	278.24 LE 28 AVR	277.08 LE 10 MAR	1976
1977	---	278.18 LE 30 AVR	277.06 LE 31 JAN	1977
1978	---	278.10 LE 17 MAI	276.98 LE 27 MAR	1978
1979	---	278.38 LE 12 MAI *	277.04 LE 10 MAR	1979
1980	---	278.04 LE 2 MAI	277.02 LE 15 MAR	1980
1981	---	---	---	1981
1982	---	277.98 LE 9 MAI	277.08 LE 23 MAR	1982
1983	---	277.97 LE 30 MAI	227.15 LE 10 DEC *	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	278.31 LE 2 MAI	277.17 LE 21 JUL	1986
1987	---	277.92 LE 2 MAI	277.28 LE 28 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DEUX MONTAGNES (LAC DES) AU QUAI DE VAUDREUIL - STATION NO. 02OA021

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	1.783	1.482	1.118	0.785	0.764	1.083	1.848	1.233	---	1967
1968	1.312	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	---	---	1.240	0.816	0.830	0.727	0.704	1.118	1.088	---	1969
1970	1.051	0.973	0.858	1.481	1.728	1.308	---	---	---	---	---	---	---	1970
1971	1.044	1.107	1.159	1.847	1.703	0.968	0.655	0.671	0.624	0.552	0.534	0.730	0.970	1971
1972	0.838	0.895	0.826	1.887	2.238	1.384	1.410	1.259	1.120	1.128	1.389	1.248	1.284	1972
1973	1.300	1.367	1.928	2.032	1.805	1.837	1.298	1.044	0.824	1.009	0.879	1.104	1.370	1973
1974	1.158	1.118	1.390	2.014	2.783	2.068	1.311	0.944	0.774	0.778	1.078	1.178	1.381	1974
1975	1.118	1.082	1.175	1.807	1.555	1.188	0.732	0.588	0.544	0.619	0.717	0.988	0.980	1975
1976	1.073	1.113	1.448	2.584	1.952	1.217	1.101	0.899	0.779	0.778	0.710	0.910	1.212	1976
1977	1.102	0.953	1.534	1.888	1.248	0.851	0.887	0.811	0.847	0.895	0.945	1.008	1.013	1977
1978	1.364	1.393	1.113	1.802	1.624	0.939	0.882	0.837	0.852	0.723	0.700	0.831	1.028	1978
1979	1.038	1.049	1.488	2.014	2.298	1.261	0.906	0.835	0.881	1.123	1.352	1.458	1.310	1979
1980	1.384	1.154	1.225	1.807	1.470	0.845	0.888	0.921	0.870	1.206	1.238	1.198	1.181	1980
1981	2.431	2.827	2.909	3.327	2.778	2.655	2.173	2.004	2.287	2.288	2.423	2.203	2.522	1981
1982	2.243	2.315	2.326	2.918	2.488	2.078	1.853	1.781	1.770	1.837	2.133	2.514	2.187	1982
1983	2.612	2.478	2.649	2.783	3.485	2.805	2.007	1.907	1.792	1.883	2.148	2.425	2.414	1983
1984	2.304	2.410	2.498	3.362	2.728	2.585	2.403	2.189	2.090	1.942	2.297	2.484	2.438	1984
1985	2.672	2.588	2.780	3.038	3.078	2.153	2.112	2.270	2.002	1.857	2.084	2.245	2.412	1985
1986	2.283	2.388	2.327	3.011	2.737	2.484	2.175	2.208	2.200	2.348	2.380	2.388	2.405	1986
1987	2.328	2.323	2.484	2.828	2.028	2.033	1.825	1.758	1.691	---	---	---	---	1987
MOYEN	1.613	1.640	1.794	2.338	2.195	1.640	1.382	1.278	1.212	1.270	1.438	1.508	1.634	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 19.787 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1970)

LOCATION - LAT 45 24 00
LONG 74 01 24 REGULARISE

DEUX MONTAGNES (LAC DES) AU QUAI DE VAUDREUIL - STATION NO. 020A021

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	---	0.819 LE 18 SEP	1967
1968	---	1.500 LE 16 JAN	1.077E LE 3 JAN	1968
1969	---	---	0.886 LE 15 SEP	1969
1970	2.137 LE 6 MAI A 2020 HNE	2.107 LE 6 MAI	---	1970
1971	2.707 LE 22 AVR A 2150 HNE	2.889 LE 22 AVR	0.446 LE 7 SEP	1971
1972	2.784 LE 9 MAI A 0830 HNE	2.755 LE 9 MAI	0.728 LE 3 JAN	1972
1973	2.799 LE 20 MAR A 1245 HNE	2.765 LE 19 MAR	0.845 LE 12 NOV	1973
1974	3.271 LE 23 MAI A 2055 HNE	3.241 LE 22 MAI	0.859 LE 25 SEP	1974
1975	2.548 LE 21 AVR A 1117 HNE	2.531 LE 21 AVR	0.391 LE 9 SEP *	1975
1976	---	3.380A LE 4 AVR	0.852 LE 25 NOV	1976
1977	2.859 LE 17 MAR A 0800 HNE	2.804 LE 17 MAR	0.807 LE 17 SEP	1977
1978	2.295 LE 30 AVR A 0525 HNE	2.275E LE 16 AVR	0.494 LE 10 SEP	1978
1979	---	2.838A LE 6 MAI	0.882 LE 30 JUL	1979
1980	2.436 LE 17 AVR A 0141 HNE	2.416 LE 17 AVR	0.834 LE 13 SEP	1980
1981	4.077 LE 26 FEV A 1642 HNE	4.072 LE 26 FEV	1.714 LE 26 AOU	1981
1982	3.388 LE 23 AVR A 1740 HNE	3.368 LE 23 AVR	1.874 LE 12 SEP	1982
1983	4.130 LE 12 MAI A 2148 HNE *	4.118 LE 13 MAI *	1.708 LE 3 NOV	1983
1984	3.801 LE 19 AVR A 0830 HNE	3.738 LE 19 AVR	1.390A LE 1 NOV	1984
1985	3.852 LE 1 MAI A 0251 HNE	3.826 LE 1 MAI	1.873 LE 30 OCT	1985
1986	3.402 LE 26 MAI A 0802 HNE	3.332 LE 26 MAI	2.047 LE 9 SEP	1986
1987	3.552 LE 3 AVR A 1516 HNE	3.542 LE 3 AVR	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 19.787 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1970)

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE) E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DORE (LAC) A L'ILE MERRILL - STATION NO. 03AA004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	10.73	10.55	10.44	10.32	10.33	---	1984
1985	10.30	10.08	9.93	9.88	10.02	10.44	10.36	10.48	10.43	10.33	10.26	10.11	10.22	1985
1986	9.94	9.84	9.78	9.78	10.00	10.52	10.46	10.53	10.46	10.47	10.46	10.46	10.23	1986
1987	10.30	10.14	9.97	9.80	9.88	10.20	10.18	10.00	9.78	9.84	10.26	10.27	10.07	1987
1988	10.11	9.88	9.88	9.81	10.20	10.21	10.10	10.04	10.06	10.10	10.02	9.92	10.04	1988
1989	9.87	9.83	9.78	9.78	9.93	10.36	10.55	10.40	---	10.18	10.18	10.19	---	1989
1990	10.12	10.06	9.90	9.82	10.02	10.58	10.78	10.87	10.48	10.33	10.02	9.95	10.23	1990
1991	9.85	9.75	---	9.73	10.08	10.25	10.38	10.48	10.33	10.19	---	---	---	1991
MOYEN	10.07	9.95	9.87	9.82	10.02	10.38	10.40	10.41	10.30	10.25	10.22	10.16	10.18	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 348.088 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 51 31
LONG 74 21 17 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

DORE (LAC) A L'ILE MERRILL - STATION NO. 03AA004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	---	---	1984
1985	---	10.54 LE 15 AOU	9.82 LE 9 MAI	1985
1986	---	10.58 LE 21 JUN	9.72 LE 17 AVR *	1986
1987	---	10.38 LE 1 JAN	9.73 LE 19 SEP	1987
1988	---	10.27 LE 23 MAI	9.78 LE 18 MAR	1988
1989	---	---	---	1989
1990	---	10.88 LE 28 JUN *	9.78 LE 18 AVR	1990
1991	---	---	---	1991

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 348.088 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DORE (LAC) A L'ILE MERRILL-1 - STATION NO. 03AA003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	10.38	10.23	10.15	10.08	10.00	---	1984
1985	9.98	9.88	9.83	9.87	9.78	10.[illegible]	10.08	10.15	10.14	10.06	10.00	9.89	9.93	1985
1986	9.78	9.88	9.84	9.81	9.82	10.[illegible]	10.13	10.18	10.13	10.13	10.15	10.18	9.97	1986
1987	10.08	9.94	9.84	9.88	9.88	9.88	9.88	9.80	9.85	9.74	10.00	10.05	9.88	1987
1988	9.84	9.78	9.89	9.87	9.88	9.88	9.82	9.88	9.87	9.82	9.88	9.77	9.85	1988
1989	9.72	9.88	---	9.89	9.78	10.18	10.21	10.21	10.11	10.00	9.98	---	---	1989
1990	9.88	9.83	9.82	9.73	9.88	10.13	10.14	10.00	9.82	9.87	9.98	9.88	9.83	1990
1991	9.84	9.81	---	---	---	---	---	---	---	---	---	---	---	1991
MOYEN	9.88	9.81	9.72	9.84	9.81	10.09	10.07	10.08	10.01	9.88	10.00	9.88	9.81	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 348.088 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 51 28
LONG 74 21 17 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

DORE (LAC) A L'ILE MERRILL-1 - STATION NO. 03AA003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	10.20 LE 25 AOU	9.55 LE 1 MAI *	1965
1966	---	10.24 LE 20 JUN	9.58 LE 17 AVR	1966
1967	---	10.13 LE 1 JAN	9.60 LE 5 MAI	1967
1968	---	10.10 LE 8 JUN	9.61 LE 8 AVR	1968
1969	---	---	---	1969
1970	---	10.28 LE 18 JUN *	9.70 LE 16 AVR	1970
1971	---	---	---	1971

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 348.088 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DORE (LAC) DANS LA BAIE BATEMAN - STATION NO. 03AA005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	---	---	---	---	---	---	10.79	10.61	10.61	---	10.26	---	1964
1965	10.15	9.89	9.83	9.88	10.03	10.51	10.45	10.59	10.51	10.42	10.29	10.13	10.21	1965
1966	9.95	9.81	9.72	9.73	10.08	---	---	---	10.48	---	10.57	10.57	---	1966
1967	10.43	10.02	9.81	9.71	9.87	10.28	10.23	9.78	9.50	---	---	---	---	1967
1968	---	---	---	---	---	10.28	10.12	10.07	10.18	10.14	---	10.01	---	1968
1969	9.87	---	---	---	---	---	---	---	---	---	---	---	---	1969
MOYEN	10.13	9.84	9.78	9.70	9.99	10.34	10.27	10.30	10.25	10.36	10.43	10.24	10.21	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 351.441 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 49 54 05
LONG 74 14 40

DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

DORE (LAC) DANS LA BAIE BATEMAN - STATION NO. 03AA005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	10.64 LE 14 AOU *	9.83 LE 27 AVR	1965
1966	---	---	---	1966
1967	---	10.63 LE 1 JAN	9.43 LE 10 SEP *	1967
1968	---	---	---	1968
1969	---	---	---	1969

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 351.441 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DUMOINE (RIVIERE) AU LAC DUMOINE - STATION NO. 02XJ003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.88	28.78	29.00	---	1982
1983	29.00	28.75	28.69	29.08	29.89	29.32	28.88	28.80	28.47	28.80	28.83	28.82	28.91	1983
1984	28.88	28.81	28.86	29.19	29.48	29.32	29.04	28.77	28.86	28.74R	29.02R	29.03R	28.93R	1984
1985	28.83	28.88	28.88	29.08	29.74	29.00	28.84	28.90	28.67	28.68R	28.82R	28.70R	28.85R	1985
1986	28.81	28.83	28.80	29.38	29.48	29.08	28.74	28.78	28.88	28.75R	28.85R	28.73R	28.83R	1986
1987	28.81	28.81	28.84	29.10	29.13	28.88	28.88	28.93	28.38	---	---	---	---	1987
MOYEN	28.75	28.81	28.89	29.18	29.49	29.12	28.84	28.72	28.67	28.71R	28.82R	28.88R	28.88R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 49 20
LONG 77 53 05

BASSIN VERSANT, 2 110 km²

DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

DUMOINE (RIVIERE) AU LAC DUMOINE - STATION NO. 02XJ003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	29.88 LE 10 MAI	28.39 LE 15 SEP	1983
1984	---	29.70 LE 27 AVR	28.86 LE 12 FEV	1984
1985	---	30.22 LE 3 MAI *	28.61R LE 12 OCT	1985
1986	---	29.67 LE 28 AVR	28.48 LE 6 MAR	1986
1987	---	29.30 LE 2 MAI	28.34 LE 26 SEP *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

DUMOINE (RIVIERE) AU LAC ROBINSON - STATION NO. 02KJ004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	27.72	27.84	28.24	---	1982
1983	28.12	27.82	27.81	28.32	28.83	28.40	27.85	27.55	27.41	27.78	27.92	27.89	27.98	1983
1984	27.88	27.88	27.70	28.68	28.57	28.34	28.09	27.82	27.69	27.77R	28.17R	28.11R	28.01R	1984
1985	27.87	27.87	27.71	28.37	28.81	28.04	28.05	27.88	27.88	27.85R	27.73R	27.79R	27.98R	1985
1986	27.82	27.53	27.51	28.86	28.57	28.20	27.81	27.85	27.65	27.78R	27.83R	27.71R	27.88R	1986
1987	27.58	27.50	27.50	28.38	28.20	27.92	27.88	27.63	27.39	---	---	---	---	1987
MOYEN	27.77	27.84	27.85	28.48	28.84	28.18	27.90	27.75	27.67	27.74R	27.82R	27.84R	27.98R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 20 45 BASSIN VERSANT, 3 780 km²
LONG 77 48 58 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

DUMOINE (RIVIERE) AU LAC ROBINSON - STATION NO. 02KJ004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	28.41 LE 9 MAI	27.32 LE 16 SEP *	1983
1984	---	28.01 LE 19 AVR	27.67 LE 8 FEV	1984
1985	---	28.88 LE 26 AVR *	27.84 LE 30 SEP	1985
1986	---	28.83 LE 23 AVR	27.44 LE 7 MAR	1986
1987	---	28.57 LE 11 AVR	27.38 LE 12 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

DUVIVIER (LAC) - STATION NO. 02OB016

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	47.84	48.27	48.38	---	1982
1983	48.33	48.32	48.33	48.47	48.52	48.38	48.01	47.20	47.18	47.75	48.27	48.36	48.09	1983
1984	48.32	48.32	48.32	48.43	48.63	48.40	48.41	48.27	47.32	47.35R	48.01R	48.34R	48.18R	1984
1985	48.31	48.26	48.26	48.29	48.52	48.40	48.41	48.14	47.28	47.97R	48.34R	48.33R	48.21R	1985
1986	---	---	---	48.47	48.53	48.40	48.33	48.18	48.16	48.19R	48.20R	---	---	1986
1987	---	---	---	---	---	48.33	48.32	48.04	47.34	---	---	---	---	1987
MOYEN	48.32	48.31	48.30	48.42	48.55	48.38	48.30	47.96	47.45	47.82R	48.22R	48.35R	48.18R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 41 53 BASSIN VERSANT, 21.8 km²
LONG 67 08 42 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

DUVIVIER (LAC) - STATION NO. 02OB016

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	48.78 LE 27 AVR *	48.04 LE 4 SEP *	1983
1984	---	48.78 LE 2 MAI	47.17 LE 19 SEP	1984
1985	---	48.73 LE 20 MAI	47.20 LE 10 SEP	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

EAU CLAIRE (RIVIERE A L') A LA SORTIE DU LAC L'EAU CLAIRE - STATION NO. 03FB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.63	28.58	---	---	1982
1983	---	---	28.33	28.27	28.38	28.60	28.68	28.68	28.70	28.72	---	---	---	1983
1984	---	---	---	28.30	28.42	28.55	28.61	28.66	28.75	28.64R	28.78R	---	---	1984
1985	---	---	---	28.38	28.34	28.61	28.63	28.58	28.58	28.62R	28.61R	28.63R	---	1985
1986	28.45	28.38	28.33	28.26	28.32	28.51	28.52	28.53	28.60	28.57R	28.50R	---	---	1986
1987	28.38	---	28.23	28.18	28.33	28.62	28.55	28.63	28.70	---	---	---	---	1987
MOYEN	28.41	28.38	28.30	28.28	28.35	28.55	28.60	28.62	28.67	28.68R	28.62R	28.63R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 55 10 10 BASSIN VERSANT, 3 830 km²
LONG 74 23 18 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

ECHO (LAC) - STATION NO. 02LC040

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1971	---	---	---	---	---	---	---	---	29.41	29.44	29.32	29.44	---	1971
1972	29.44	29.47	29.50	29.57	29.59	29.54	29.53	29.45	29.22	29.09	29.48	29.53	29.45	1972
1973	29.51	29.52	29.52	29.55	29.49	29.48	29.36	29.34	29.26	29.33	28.75	28.90	29.34	1973
1974	29.18	29.31	29.37	29.47	29.50	29.49	29.41	29.39	29.36	29.43	29.43	29.43	29.40	1974
1975	29.41	29.40	29.42	29.52	29.51	29.47	29.36	29.35	29.33	---	---	28.87	---	1975
1976	29.18	29.44	29.47	29.57	29.50	29.40	29.43	29.40	29.40	29.42	29.43	29.41	29.42	1976
1977	29.41	29.41	29.44	29.57	29.40	29.32	29.35	29.26	29.34	---	---	---	---	1977
1978	---	---	---	---	29.49	29.42	29.36	29.33	29.34	29.37	---	---	---	1978
MOYEN	29.35	29.43	29.45	29.54	29.50	29.44	29.40	29.36	29.33	29.35	29.28	29.28	29.40	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 52 45 LONG 74 01 30

BASSIN VERSANT, 9.33 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ECHO (LAC) - STATION NO. 02LC040

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1971	---	---	---	1971
1972	---	29.64 LE 1 MAI *	28.88 LE 28 SEP	1972
1973	---	29.60 LE 2 AVR	28.63 LE 17 NOV *	1973
1974	---	29.60 LE 24 AVR	29.08 LE 1 JAN	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	29.64 LE 3 AVR	29.13 LE 1 JAN	1976
1978	---	---	---	1977
		---	---	1978

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ECORES (LAC DES) - STATION NO. 02LE019

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1955	---	---	---	---	---	229.81	229.53	229.54	230.04	230.21	230.11	230.02	---	1955
1956	229.69	229.44	229.38	229.46	229.58	230.14	229.85	229.50	229.68	229.79	229.54	229.76	229.67	1956
1957	229.56	229.62	229.62	229.58	229.58	229.81	229.80	229.40	229.52	229.87	229.88	229.78	229.67	1957
1958	---	229.42	229.58	229.94	229.98	230.22	229.68	229.52	229.90	229.89	229.51	229.46	---	1958
1959	---	230.16	230.06	229.80	229.57	229.40	229.38	229.46	229.87	229.82	229.84	229.83	---	1959
1960	229.85	---	---	229.88	230.11	230.10	229.85	229.32	228.40	229.83	229.58	229.53	---	1960
1961	---	229.71	229.67	229.74	229.85	229.88	229.98	229.87	229.64	229.41	229.43	229.80	---	1961
1962	---	229.80	229.70	229.82	229.71	230.04	229.37	229.29	229.69	---	229.67	229.77	---	1962
1963	---	229.84	229.65	229.56	229.39	229.34	229.32	229.59	229.56	229.35	229.76	229.85	---	1963
1964	229.76	229.69	229.85	229.90	229.71	229.59	229.59	229.51	229.50	229.69	229.80	230.15	229.73	1964
1965	---	229.59	229.37	230.03	229.75	229.43	229.56	229.81	229.87	230.12	230.03	229.59	---	1965
1966	229.74	229.77	230.05	229.82	229.86	229.76	229.54	229.72	229.80	229.55	229.81	229.95	229.75	1966
1967	---	229.71	229.80	229.78	229.55	229.48	229.71	229.42	229.72	229.87	229.95	---	---	1967
1968	---	229.85	229.74	229.89	229.44	229.56	---	---	---	---	---	---	---	1968
1969	229.85	229.84	229.70	229.56	229.55	229.23	229.26	---	229.86	---	229.12	229.78	---	1969
1970	---	---	---	---	---	---	---	229.33	229.56	229.87	229.88	229.84	---	1970
1971	230.05	229.90	229.86	229.82	229.88	229.37	229.36	229.26	229.65	229.87	229.87	230.03	229.70	1971
1972	230.07	229.98	229.84	229.86	229.59	229.55	229.69	229.64	229.82	229.90	229.90	229.60	229.78	1972
1973	230.01	229.93	229.81	---	229.76	229.81	229.59	229.60	229.61	---	229.83	230.08	---	1973
1974	229.84	229.80	229.92	229.94	230.08	230.18	229.74	229.45	229.74	229.90	229.70	229.81	229.88	1974
1975	229.87	229.88	229.85	229.87	229.57	229.38	229.21	229.38	229.44	229.48	229.81	229.82	229.63	1975
1976	229.78	230.05	229.84	229.84	229.85	229.68	229.59	229.43	229.33	229.53	229.85	229.94	229.72	1976
1977	230.12	230.02	229.69	229.79	229.38	229.30	229.48	229.20	229.21	229.82	229.70	229.68	229.60	1977
1978	229.83	229.87	229.78	229.84	229.61	229.25	229.28	229.27	229.31	229.85	229.87	229.83	229.59	1978
1979	229.82	229.72	229.59	229.68	229.51	229.33	229.40	229.70	229.79	229.52	229.44	229.80	229.59	1979
1980	229.75	229.78	229.82	229.82	229.43	229.59	229.72	229.68	229.56	229.62	229.40	---	---	1980
1981	---	229.98	229.63	---	---	230.04	229.70	229.71	229.75	229.79	229.33	229.60	---	1981
1982	229.66	229.35	229.80	229.43	229.46	229.53	229.52	229.71	229.25	229.57	229.83	229.68	229.52	1982
1983	229.48	229.20	229.68	229.43	230.07	229.78	229.75	229.78	229.74	229.55	229.72	229.65	229.67	1983
1984	229.61	229.84	229.36	229.74	229.73	229.72	229.78	229.81	229.78	229.63R	---	229.81R	---	1984
1985	229.67	229.70	229.77	229.79	229.81	229.67	229.72	229.56	229.66	229.72R	229.62R	---	---	1985
1986	---	---	---	229.77	229.72	229.63	229.62	229.84	229.81	229.71R	229.74R	229.82R	---	1986
1987	229.70	229.67	229.66	229.82	229.73	229.65	229.65	229.80	229.44	---	---	---	---	1987
MOYEN	229.80	229.74	229.69	229.75	229.70	229.65	229.69	229.67	229.61	229.70R	229.72R	229.78R	229.68	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 30 31 LONG 78 23 42

BASSIN VERSANT, 1 120 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

ECORES (LAC DES) - STATION NO. 02LE019

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1955	---	---	---	1955
1956	---	230.26 LE 14 JUN	229.32 LE 8 NOV	1956
1957	---	230.13 LE 15 JUL	229.33 LE 16 AOU	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	230.25 LE 15 AVR	229.28 LE 9 AOU	1964
1965	---	---	---	1965
1966	---	230.15 LE 12 MAR	229.45 LE 24 SEP	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	230.26 LE 11 JAN	229.21 LE 7 AOU	1971
1972	---	230.13 LE 26 JUL	229.33 LE 19 JUN	1972
1973	---	---	---	1973
1974	---	233.32 LE 19 MAI *	229.27 LE 26 AOU	1974
1975	---	230.11 LE 26 AVR	229.19 LE 2 AOU	1975
1976	---	230.40 LE 4 AVR	229.27 LE 16 SEP	1976
1977	---	230.21 LE 16 JAN	229.11 LE 4 AOU	1977
1978	---	230.04 LE 27 AVR	229.07 LE 9 SEP	1978
1979	---	229.87 LE 18 JAN	229.22 LE 10 JUL	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	230.10 LE 11 DEC	229.81 LE 30 MAR *	1982
1983	---	230.44 LE 10 MAI	229.12 LE 28 FEV	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	230.22 LE 1 AVR	229.31 LE 15 AVR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ESCALIER (LAC) - STATION NO. 02LC068

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	---	28.84	---	---	---	1977
1978	---	---	---	28.84	28.85	28.80	28.48	28.47	28.84	28.84	28.84	---	---	1978
1979	---	---	---	28.92	28.84	28.87	28.83	---	---	---	---	---	---	1979
MOYEN	---	---	---	28.78	28.90	28.84	28.58	28.47	28.84	28.84	28.84	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 25 12 BASSIN VERSANT, 296 km²
LONG 74 29 34 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

FALSE (RIVIERE) - STATION NO. 03MB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	---	---	30.18R	29.87R	29.75R	---	1984
1985	29.58	29.53	29.48	29.45	29.82	30.58	29.93	29.82	29.81	29.97R	29.80R	29.74R	29.80R	1985
1986	29.82	29.56	29.51	29.47	30.31	30.72	30.16	29.78	29.85	29.78R	29.63R	29.64R	29.83R	1986
1987	29.47	29.41	29.36	29.41	30.34	30.62	30.11	30.11	30.09	---	---	---	---	1987
MOYEN	29.66	29.50	29.45	29.44	30.16	30.61	30.07	29.90	29.92	29.98R	29.80R	29.86R	29.82R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 57 40 15 BASSIN VERSANT, 2 140 km²
LONG 66 18 12 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

FALSE (RIVIERE) - STATION NO. 03MB001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	---	---	1984
1985	---	30.99 LE 2 JUN	29.44 LE 4 AVR	1985
1986	---	31.11 LE 27 MAI *	29.45 LE 13 AVR	1986
1987	---	30.94 LE 5 JUN	29.31 LE 10 JAN *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

FONTANGES (BASSIN) A LA DIGUE KD-15 - STATION NO. 03DC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	478.62R	480.01R	480.71R	478.42R	478.73R	478.58R	478.42R	---	---	480.58R	---	---	1984
1985	---	---	478.71	478.88	478.88	---	---	---	---	---	---	---	---	1985
MOYEN	---	478.62R	478.88R	478.64R	478.19R	478.73R	478.58R	478.42R	---	---	480.58R	---	---	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 54 35 00 LONG 71 15 30 — BASSIN VERSANT, 35 800 km² REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1986

FOURCHUE (RIVIERE) AU RESERVOIR MORIN - STATION NO. 02PE008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	44.81	45.23	---	---	1982
1983	47.84	47.10	---	---	49.14	49.45	47.92	48.49	44.45	43.90	45.72	---	---	1983
1984	---	46.55	45.29	---	49.11	49.46	49.15	48.28	45.85	44.01R	44.28R	47.06R	---	1984
1985	47.81	46.29	44.38	44.80	48.37	49.43	48.81	48.17	44.43	43.52R	42.73R	43.09R	46.03R	1985
1986	42.84	43.05	42.09	---	---	---	49.49	49.28	49.40	49.43R	49.33R	48.71R	---	1986
1987	47.82	48.38	44.15	46.73	48.07	48.86	48.42	47.09	45.31	---	---	---	---	1987
MOYEN	46.43	46.87	43.98	46.82	48.17	49.31	48.75	47.85	45.65	45.17R	45.85R	46.29R	46.03R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 145.784 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 38 58 LONG 69 30 42 — BASSIN VERSANT, 281 km² REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1986

FOURCHUE (RIVIERE) AU RESERVOIR MORIN - STATION NO. 02PE008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	49.68 LE 15 MAI *	42.09R LE 7 NOV *	1985
1986	---	---	---	1986
1987	---	49.37 LE 3 MAI	43.05 LE 25 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 145.784 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

FREGATE (LAC DE LA) - STATION NO. 03DE007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	28.88	30.81	31.00	---	---	30.25	---	---	314.11	---	1983
1984	313.78	313.86	---	313.83	315.30	315.11	314.81	314.28	314.23	315.00R	314.54R	314.27R	---	1984
1985	313.95	313.87	313.85	313.48	314.24	---	---	---	---	---	---	---	---	1985
MOYEN	313.87	313.82	313.85	310.88	330.05	173.05	314.51	314.28	172.24	315.00R	314.54R	314.19R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 284.543 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 53 09 45 LONG 74 48 15 — BASSIN VERSANT, 13 800 km² DEBIT NATUREL — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1986

GATINEAU (RIVIERE) A BOUCHETTE - STATION NO. 02LH007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	---	---	---	---	143.59	143.54	143.87	143.81	144.05	143.89	---	---	1964
1965	144.14	144.18	144.08	143.26	143.53	143.46	143.53	143.74	143.92	---	144.92	144.58	---	1965
1966	145.18	145.23	144.59	144.15	144.26	144.27	143.98	144.00	143.91	143.85	144.07	144.43	144.33	1966
1967	144.78	145.56	145.45	143.99	144.86	144.87	144.19	144.25	144.22	144.03	145.46	144.70	144.88	1967
1968	146.27	146.00	145.25	144.01	144.42	144.43	144.49	144.36	143.57	143.85	143.88	144.83	144.58	1968
1969	145.86	145.26	144.62	143.98	143.87	144.34	144.18	143.75	143.47	143.75	143.86	144.47	144.26	1969
1970	145.05	144.91	144.49	143.49	143.82	144.84	144.55	144.37	143.91	144.07	144.33	144.54	144.37	1970
1971	145.55	145.92	145.51	144.29	143.79	143.92	144.22	143.79	144.14	143.85	143.88	143.92	144.37	1971
1972	143.99	143.88	143.25	143.74	144.15	144.48	144.85	144.62	144.26	144.26	144.53	144.85	144.22	1972
1973	144.85	145.01	144.65	144.32	144.87	144.78	144.64	144.19	144.58	144.73	144.88	144.97	144.85	1973
1974	145.33	145.13	145.25	144.11	---	---	---	144.12	143.88	143.73	144.35	144.88	---	1974
1975	145.35	145.89	144.98	144.04	143.81	144.15	143.77	143.81	143.58	---	143.88	144.17	---	1975
1976	145.21	145.34	144.37	144.62	145.28	143.84	143.84	144.32	144.07	143.47	143.42	144.85	144.39	1976
1977	144.77	144.89	144.68	144.34	144.58	143.49	143.49	143.50	143.57	143.54	143.40	144.89	144.05	1977
1978	145.77	145.82	144.48	143.20	143.38	143.74	143.87	143.78	143.55	143.57	143.34	143.88	143.99	1978
1979	144.54	144.80	144.30	144.03	145.58	144.07	143.71	143.78	143.78	144.21	---	145.18	---	1979
1980	145.38	146.47	144.72	144.08	143.48	143.80	143.75	143.73	143.80	144.12	144.20	144.88	144.31	1980
1981	145.12	144.82	145.11	145.83	145.47	145.08	143.82	143.77	143.78	143.73	143.73	143.84	144.52	1981
1982	144.26	144.38	144.13	143.92	143.51	143.48	---	---	---	---	---	---	---	1982
MOYEN	145.05	145.15	144.85	144.07	144.24	144.16	144.02	143.97	143.85	143.82	144.08	144.51	144.36	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 12 41
LONG 75 56 25

BASSIN VERSANT, 20 400 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

GATINEAU (RIVIERE) A BOUCHETTE - STATION NO. 02LH007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	145.73 LE 18 JAN	142.51 LE 29 AVR	1966
1967	---	145.71 LE 24 JUN	142.75 LE 3 SEP	1967
1968	---	146.87 LE 17 JAN	143.04 LE 13 SEP	1968
1969	---	145.85 LE 18 JAN	141.82 LE 28 SEP *	1969
1970	---	146.41 LE 7 JUN	142.87 LE 18 AVR	1970
1971	---	146.23 LE 26 FEV	142.37 LE 1 NOV	1971
1972	---	145.26 LE 17 JUL	142.81 LE 5 AVR	1972
1973	---	146.01 LE 25 DEC	143.59 LE 18 MAR	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	146.01 LE 22 MAI	143.23 LE 25 NOV	1976
1977	---	145.76 LE 10 MAI	142.95 LE 28 SEP	1977
1978	---	146.31 LE 14 JAN	142.81 LE 5 AVR	1978
1979	---	---	---	1979
1980	---	147.40 LE 13 FEV *	143.15 LE 21 JUN	1980
1981	---	146.26 LE 22 MAI	143.12 LE 26 NOV	1981
1982	---	144.64 LE 27 AVR	142.88 LE 19 JUN	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

GATINEAU (RIVIERE) A LA CENTRALE DE PAUGAN-FALLS - STATION NO. 02LH009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1927	---	---	---	---	137.43R	136.68R	139.70R	141.07R	136.81R	137.28R	139.35R	---	---	1927
1928	137.46R	136.08R	---	134.13R	135.53R	134.78R	135.01R	139.95R	140.74R	141.20R	141.06R	141.26R	---	1928
1929	141.31R	141.23R	141.25R	141.24R	139.78R	140.88R	141.28R	140.88R	140.52R	140.30R	140.70R	140.87R	140.81R	1929
1930	140.81R	140.69R	140.74R	141.01R	141.01R	141.15R	141.16R	141.06R	141.24R	140.64R	140.92R	140.57R	140.92R	1930
1931	140.17R	140.06R	140.78R	140.34R	140.28R	139.83R	140.26R	139.91R	139.85R	140.18R	140.98R	140.35R	140.28R	1931
1932	140.57R	140.59R	140.58R	140.70R	140.79R	140.46R	140.78R	140.70R	140.60R	140.91R	141.13R	141.07R	140.74R	1932
1933	140.87R	140.85R	141.00R	140.68R	140.70R	141.14R	140.88R	140.49R	140.33R	140.74R	140.57R	140.57R	140.74R	1933
1934	140.48R	140.52R	140.78R	140.95R	140.95R	141.22R	141.17R	140.40R	140.50R	140.78R	140.68R	140.06R	140.70R	1934
1935	140.59R	140.78R	140.84R	140.50R	140.47R	140.77R	140.37R	140.14R	140.43R	140.82R	140.78R	140.16R	140.55R	1935
1936	140.70R	140.67R	140.71R	140.78R	139.51R	140.81R	141.27R	140.66R	141.06R	140.92R	141.11R	140.68R	140.74R	1936
1937	140.89R	141.18R	141.36R	141.34R	141.23R	141.20R	140.78R	140.61R	140.50R	140.48R	140.98R	140.95R	140.98R	1937
1938	140.73R	140.99R	140.91R	141.18R	140.75R	141.08R	141.08R	141.04R	140.58R	140.95R	140.85R	140.30R	140.87R	1938
1939	140.37R	140.69R	140.29R	140.78R	141.23R	140.85R	140.88R	140.85R	140.18R	140.17R	140.74R	140.44R	140.81R	1939
1940	140.58R	140.58R	140.58R	140.52R	140.88R	141.19R	141.12R	140.27R	140.58R	140.63R	140.81R	140.40R	140.67R	1940
1941	140.54R	140.77R	140.48R	140.93R	140.71R	140.44R	140.57R	140.17R	140.58R	140.18R	141.09R	140.88R	140.61R	1941
1942	140.47R	140.58R	140.72R	140.57R	140.94R	141.19R	140.50R	140.62R	140.48R	---	140.73R	140.58R	---	1942
1943	140.83R	140.72R	140.48R	140.11R	141.18R	141.21R	140.87R	140.36R	140.29R	140.42R	140.83R	140.05R	140.60R	1943
1944	140.57R	140.62R	140.64R	140.23R	140.85R	140.90R	140.45R	140.43R	140.38R	140.81R	141.20R	140.95R	140.85R	1944
1945	140.97R	140.98R	140.84R	140.89R	140.72R	140.74R	140.78R	140.68R	140.73R	141.00R	140.95R	140.34R	140.81R	1945
1946	140.88R	140.96R	141.03R	140.26R	140.59R	140.59R	140.61R	140.78R	140.85R	140.78R	140.93R	140.87R	140.74R	1946
1947	140.83R	140.89R	140.93R	141.02R	139.61R	139.89R	141.02R	140.63R	140.57R	140.73R	140.81R	140.73R	140.85R	1947
1948	140.65R	141.05R	140.95R	140.33R	140.30R	140.74R	140.74R	140.53R	140.47R	140.80R	141.01R	140.89R	140.89R	1948
1949	140.71R	140.84R	140.73R	140.44R	140.44R	140.30R	140.60R	140.29R	140.27R	140.71R	140.83R	140.91R	140.57R	1949
1950	140.90R	140.75R	140.39R	140.14R	140.24R	140.58R	140.42R	140.22R	140.88R	140.75R	141.09R	140.19R	140.53R	1950
1951	140.78R	140.84R	140.55R	140.58R	140.78R	140.41R	140.76R	140.61R	140.98R	140.70R	140.99R	140.59R	140.72R	1951
1952	140.79R	140.58R	140.48R	140.62R	139.83R	140.83R	141.04R	140.70R	140.57R	140.41R	140.88R	140.78R	140.61R	1952
1953	140.87R	140.83R	141.00R	140.98R	141.08R	140.82R	140.94R	140.69R	140.91R	140.45R	140.90R	140.84R	140.84R	1953
1954	140.89R	140.84R	140.42R	140.85R	140.49R	140.65R	140.72R	140.78R	140.78R	140.84R	141.03R	140.72R	140.74R	1954
1955	140.84R	140.88R	140.67R	140.87R	140.73R	140.84R	140.55R	140.78R	140.38R	140.39R	140.32R	140.31R	140.59R	1955
1956	140.17R	140.36R	140.33R	139.57R	140.29R	140.58R	140.48R	140.22R	139.81R	140.30R	140.48R	140.24R	140.24R	1956
1957	139.89R	140.32R	140.48R	140.33R	140.30R	140.78R	139.98R	140.60R	140.58R	140.50R	140.80R	140.62R	140.45R	1957
1958	140.61R	140.56R	140.72R	140.13R	140.38R	140.22R	140.75R	140.38R	140.58R	140.44R	140.20R	139.94R	140.41R	1958
1959	140.31R	140.53R	140.71R	139.87R	140.03R	140.67R	140.54R	140.48R	140.77R	140.54R	140.88R	140.18R	140.42R	1959
1960	140.52R	140.40R	140.81R	140.14R	140.50R	140.40R	140.50R	140.18R	140.29R	140.58R	140.83R	140.39R	140.44R	1960
1961	140.23R	140.63R	140.55R	140.06R	140.14R	140.21R	140.28R	140.50R	140.08R	140.45R	140.58R	140.32R	140.33R	1961
1962	140.43R	140.28R	140.47R	139.68R	140.20R	140.47R	140.34R	140.28R	140.69R	140.98R	140.92R	140.78R	140.48R	1962
1963	140.61R	140.68R	140.84R	139.88R	140.22R	140.07R	140.31R	140.61R	140.53R	140.83R	140.88R	140.43R	140.47R	1963
1964	140.38R	140.47R	140.49R	140.18R	140.30R	140.32R	140.79R	140.58R	140.81R	140.88R	140.84R	140.53R	140.56R	1964
1965	140.80R	140.70R	140.82R	140.18R	140.21R	140.80R	140.58R	140.32R	140.71R	140.78R	140.68R	140.40R	140.59R	1965
1966	140.74R	140.74R	140.70R	139.85R	140.45R	140.08R	140.50R	140.42R	140.88R	---	---	---	---	1966
MOYEN	140.54R	140.53R	140.71R	140.32R	140.30R	140.42R	140.53R	140.52R	140.45R	140.55R	140.78R	140.58R	140.62R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 48 34
LONG 75 55 55

BASSIN VERSANT, 22 800 km²
REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

GATINEAU (RIVIERE) A LA CENTRALE DE PAUGAN-FALLS - STATION NO. 02LH009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1927	---	---	---	1927
1928	---	---	---	1928
1929	---	143.04R LE 19 MAI	138.84R LE 27 MAI	1929
1930	---	141.46R LE 2 AOU	139.75R LE 10 OCT	1930
1931	---	141.58R LE 22 NOV	138.01R LE 15 AOU	1931
1932	---	141.43R LE 23 AVR	138.28R LE 29 AOU	1932
1933	---	141.40R LE 1 AOU	139.20R LE 26 AOU	1933
1934	---	141.43R LE 16 JUN	138.57R LE 30 DEC	1934
1935	---	141.46R LE 2 JUL	138.82R LE 7 DEC	1935
1936	---	141.49R LE 26 OCT	137.78R LE 20 MAI	1936
1937	---	141.46R LE 13 MAR	139.51R LE 16 OCT	1937
1938	---	141.44R LE 14 MAR	139.10R LE 22 JAN	1938
1939	---	141.44R LE 16 JUL	138.89R LE 15 SEP	1939
1940	---	141.37R LE 29 JUL	139.41R LE 29 DEC	1940
1941	---	141.44R LE 26 DEC	137.21R LE 19 OCT	1941
1942	---	---	---	1942
1943	---	141.41R LE 31 MAI	138.83R LE 31 DEC	1943
1944	---	143.29R LE 26 JAN *	138.93R LE 2 SEP	1944
1945	---	141.63R LE 19 MAR	139.14R LE 30 DEC	1945
1946	---	141.62R LE 12 DEC	139.29R LE 4 MAI	1946
1947	---	141.61R LE 31 MAR	138.01R LE 26 MAI	1947
1948	---	141.62R LE 23 FEV	137.92R LE 8 MAI	1948
1949	---	141.63R LE 19 DEC	138.35R LE 3 AVR	1949
1950	---	141.62R LE 20 NOV	138.24R LE 30 DEC	1950
1951	---	142.54R LE 13 SEP	139.28R LE 17 AVR	1951
1952	---	141.40R LE 23 JUN	139.02R LE 19 MAI	1952
1953	---	142.57R LE 1 SEP	139.03R LE 17 OCT	1953
1954	---	142.33R LE 20 AOU	139.08R LE 10 JUN	1954
1955	---	141.43R LE 23 MAI	138.78R LE 24 DEC	1955
1956	---	141.37R LE 20 NOV	138.58R LE 28 AVR	1956
1957	---	141.51R LE 9 DEC	138.41R LE 4 MAI	1957
1958	---	141.47R LE 20 MAI	138.30R LE 14 DEC	1958
1959	---	141.40R LE 2 MAR	138.17R LE 2 MAI	1959
1960	---	142.42R LE 29 MAR	138.38R LE 30 AOU	1960
1961	---	141.29R LE 6 FEV	138.89R LE 2 SEP	1961
1962	---	141.48R LE 19 NOV	138.10R LE " AVR	1962
1963	---	141.40R LE 2 DEC	138.24R LE 1[illegible] AVR	1963
1964	---	143.13R LE 20 AVR	139.03R LE 2 MAI	1964
1965	---	141.37R LE 21 JUN	138.83R LE 8 AOU	1965
1966	---	141.27R LE 4 JUL	133.86R LE 9 JUN *	1966

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1968

GATINEAU (RIVIERE) A MANIWAKI - STATION NO. 02LH001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1925	---	---	182.88	184.88	185.84	184.48	183.72	183.20	182.04	182.30	182.83	183.04	---	1925
1926	182.88	182.28	182.28	182.85	185.87	184.68	183.85	182.81	182.14	182.19	184.02	184.22	183.27	1926
1927	183.87	183.27	183.09	---	181.78	182.15	183.86	184.14	182.87	182.88	---	183.10	---	1927
1928	---	183.81	183.48	184.27	186.48	184.87	183.71	183.16	183.81	184.20	183.88	183.28	---	1928
1929	---	183.82	---	---	186.87	184.18	183.77	---	182.87	183.03	---	---	---	1929
1930	---	---	---	182.42	182.80	183.70	183.36	182.80	183.07	182.88	---	---	---	1930
1931	---	---	---	182.23	182.28	---	182.33	182.38	182.58	---	182.88	---	---	1931
1932	---	---	---	182.38	182.87	---	---	183.27	184.21	183.88	183.70	---	---	1932
1933	---	---	---	184.33	184.83	183.24	---	183.12	183.20	---	---	---	---	1933
1934	---	183.47	---	182.83	---	183.82	---	182.80	---	---	---	---	---	1934
1935	---	183.53	---	---	---	182.84	---	---	---	183.01	182.88	---	---	1935
1936	183.46	---	183.45	182.82	---	---	---	---	---	183.15	---	183.38	---	1936
1937	183.33	183.70	183.75	---	---	---	---	---	---	---	---	183.45	---	1937
1938	183.74	---	---	183.82	---	183.81	---	183.05	---	---	183.18	---	---	1938
1939	---	183.88	183.78	183.38	183.81	---	---	182.78	182.85	---	---	183.21	---	1939
1940	183.81	183.82	183.38	182.92	183.34	184.58	183.78	183.48	183.30	183.12	182.98	183.12	183.43	1940
1941	183.43	183.48	183.39	183.01	182.75	182.77	182.84	183.12	183.02	183.31	183.84	183.48	183.18	1941
1942	183.89	183.87	183.44	182.87	184.02	183.88	183.47	183.41	183.21	183.21	183.08	183.21	183.44	1942
1943	183.81	183.82	183.53	183.30	183.83	184.38	183.80	183.45	183.48	183.21	182.87	183.21	183.50	1943
1944	183.40	183.37	183.13	182.78	182.88	182.29	182.44	182.89	183.09	182.88	183.03	183.18	182.93	1944
1945	183.88	183.87	183.22	182.82	182.78	182.84	182.95	182.78	182.77	182.88	---	183.32	---	1945
1946	183.45	183.89	182.93	182.78	182.82	183.18	183.20	183.06	183.08	---	---	183.24	---	1946
1947	183.78	183.81	183.87	183.45	---	---	---	183.45	183.88	---	---	183.27	---	1947
1948	183.84	184.03	183.28	182.74	183.03	183.14	---	---	183.28	---	---	---	---	1948
1949	183.38	---	---	---	---	---	---	---	---	---	---	---	---	1949
1950	---	---	---	---	---	---	---	183.22	---	---	---	---	---	1950
1951	---	---	---	184.21	---	---	---	---	---	---	---	---	---	1951
1952	---	---	---	---	---	---	183.87	---	183.14	183.18	---	---	---	1952
1953	183.81	---	---	---	---	---	182.98	---	182.98	183.14	---	182.97	---	1953
1954	183.43	183.88	183.78	182.78	---	183.38	---	183.10	183.17	---	---	---	---	1954
1955	---	183.71	---	183.85	---	---	182.98	182.89	182.88	---	183.14	183.44	---	1955
1956	---	183.80	183.68	182.98	---	---	---	---	184.00	---	---	---	---	1956
1957	183.83	183.88	---	---	183.06	182.89	183.28	---	183.83	---	---	183.76	---	1957
1958	---	---	---	---	183.23	---	183.17	---	183.30	---	---	---	---	1958
1959	183.86	---	183.73	182.88	---	---	---	---	---	182.71	---	---	---	1959
1960	183.81	183.83	---	183.10	---	---	---	---	183.49	---	183.84	184.23	---	1960
1961	184.23	184.00	183.88	182.74	182.80	182.89	---	182.98	183.87	---	183.21	183.37	---	1961
1962	183.98	184.28	183.92	182.88	182.88	182.76	---	183.21	182.88	182.85	---	---	---	1962
1963	183.44	183.31	183.38	182.78	182.70	182.89	182.88	182.70	---	---	183.10	183.80	---	1963
1964	---	183.48	183.19	182.98	---	---	182.88	182.80	182.85	183.28	183.15	---	---	1964
1965	184.07	183.91	183.38	182.27	182.80	182.70	182.80	183.02	---	---	184.11	183.80	---	1965
1966	183.77	183.78	183.88	183.40	183.80	---	---	183.28	183.22	183.28	183.42	183.38	---	1966
1967	183.88	184.24	183.88	183.26	183.88	184.08	183.35	183.41	183.33	183.18	184.85	183.87	183.73	1967
1968	184.24	184.14	183.88	183.01	183.42	183.44	183.47	183.32	182.88	182.71	182.91	183.52	183.38	1968
1969	184.81	184.32	183.82	182.78	182.80	183.41	183.80	182.98	182.84	183.14	183.27	183.88	183.44	1969
1970	183.87	183.82	183.41	---	183.83	184.18	183.75	183.52	183.21	183.27	183.58	183.42	---	1970
1971	183.73	184.05	183.83	182.48	183.03	183.19	183.48	183.19	183.44	183.22	182.98	183.34	183.30	1971
1972	183.84	183.20	182.90	183.31	183.80	---	---	183.77	183.48	---	183.72	183.58	---	1972
1973	183.80	---	183.77	183.87	183.84	184.03	182.98	---	---	183.88	183.84	184.21	---	1973
1974	183.72	183.87	183.82	182.88	---	185.98	184.17	---	183.08	---	---	183.88	---	1974
1975	---	183.75	183.48	183.35	183.08	183.37	183.11	---	183.00	182.91	182.88	183.25	---	1975
1976	184.01	184.18	183.58	183.88	184.44	183.11	183.24	---	183.35	182.79	---	183.83	---	1976
1977	184.00	184.28	---	183.84	183.88	182.83	182.78	182.78	182.83	182.85	182.86	183.88	---	1977
1978	183.82	184.08	182.91	182.80	182.44	182.91	182.92	183.00	182.78	182.84	182.48	182.80	182.83	1978
1979	184.03	184.27	183.78	183.82	184.87	183.23	182.83	182.98	183.03	183.38	183.77	184.08	183.83	1979
1980	184.28	184.12	183.43	183.18	182.87	182.88	182.88	182.93	182.92	183.20	183.38	183.41	183.28	1980
1981	---	183.88	184.20	184.82	184.55	184.18	183.14	182.88	182.97	182.82	182.85	182.95	---	1981
1982	183.27	---	---	182.87	182.87	182.88	182.20	182.88	182.84	182.87	182.77	182.78	---	1982
1983	183.78	183.74	183.52	182.88	184.88	184.04	183.04	183.13	182.97	182.79	182.84	---	---	1983
1984	---	183.25	183.43	183.38	183.18	183.88	183.18	183.00	183.18	183.08R	183.34R	183.30R	---	1984
1985	183.88	183.78	183.63	183.28	183.28	182.98	183.01	183.88	183.11	183.07R	183.10R	183.27R	183.34R	1985
1986	183.53	183.47	182.45	182.81	183.46	183.51	183.08	182.91	182.80	182.98R	182.76R	183.41R	183.10R	1986
1987	183.64	183.38	182.78	182.71	182.21	182.82	182.88	182.48	182.83	---	---	---	---	1987
MOYEN	183.74	183.73	183.43	183.13	183.81	183.45	183.20	183.08	183.08	183.05R	183.24R	183.43R	183.33R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 22 58
LONG 75 57 58

BASSIN VERSANT, 19 700 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

GATINEAU (RIVIERE) A MANIWAKI - STATION NO. 02LH001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1925	---	---	---	1925
1926	---	186.69 LE 26 MAI *	181.83 LE 12 OCT	1926
1927	---	---	---	1927
1928	---	---	---	1928
1929	---	---	---	1929
1930	---	---	---	1930
1931	---	---	---	1931
1932	---	---	---	1932
1933	---	---	---	1933
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	184.78 LE 13 JUN	182.34 LE 13 AVR	1940
1941	---	183.96 LE 16 JAN	182.27 LE 9 OCT	1941
1942	---	185.01 LE 26 MAI	182.53 LE 2 AVR	1942
1943	---	184.54 LE 17 JUN	182.57 LE 26 OCT	1943
1944	---	183.83 LE 1 JAN	181.69 LE 3 JUL	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	185.24 LE 7 NOV	181.90 LE 3 SEP	1967
1968	---	184.63 LE 18 JAN	181.80 LE 14 SEP	1968
1969	---	184.96 LE 11 FEV	181.63 LE 27 SEP *	1969
1970	---	---	---	1970
1971	---	184.61 LE 18 NOV	181.71 LE 14 AVR	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	184.61 LE 1 FEV	181.71 LE 1 AVR	1978
1979	---	186.78 LE 3 MAR	182.38 LE 14 AOU	1979
1980	---	184.40 LE 19 JAN	182.32 LE 20 JUN	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	184.39 LE 26 AVR	182.23 LE 6 JUN	1985
1986	---	184.45 LE 27 MAI	182.18R LE 4 NOV	1986
1987	---	183.77 LE 23 JAN	182.06 LE 7 MAI	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

GATINEAU (RIVIERE) AU RESERVOIR BASKATONG - STATION NO. 02LG007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	221.31R	220.85R	219.41R	220.15R	225.33R	227.10R	226.88R	225.93R	226.58R	225.78R	224.87R	225.18R	224.13R	1983
1984	223.69R	221.49R	---	218.43R	227.00R	226.57R	226.78R	226.15R	227.53R	226.65R	225.38R	223.74R	---	1984
1985	223.01R	220.82R	217.42R	218.10R	225.33R	226.27R	226.05R	226.77R	229.78R	230.30R	230.29R	229.51R	225.88R	1985
1986	227.78R	225.06R	221.67R	223.08R	227.73R	229.22R	228.95R	229.03R	226.49R	227.71R	226.18R	226.95R	227.18R	1986
1987	220.82R	218.36R	215.10R	214.75R	221.93R	223.22R	223.12R	222.29R	220.52R	220.68R	223.10R	222.54R	220.55R	1987
1988	220.78R	218.12R	216.44R	217.98R	222.60R	221.98R	221.31R	219.49R	218.82R	219.89R	218.79R	216.42R	219.47R	1988
1989	218.48R	216.46R	213.31R	213.63R	220.19R	222.57R	221.63R	220.57R	220.28R	220.76R	220.89R	220.31R	219.79R	1989
1970	218.07R	215.87R	213.01R	211.33R	220.87R	223.00H	222.78R	221.77R	220.58R	220.19R	219.71R	218.35R	218.83R	1970
1971	215.87R	213.00R	211.33R	211.58R	220.25R	222.81R	221.69R	219.71R	217.83R	217.07R	216.36R	214.31R	216.78R	1971
1972	212.32R	211.20R	211.58R	210.78R	218.83R	222.90R	222.68R	221.67R	221.38R	221.81R	222.29R	220.94R	218.23R	1972
1973	218.84R	217.03R	214.99R	217.07R	222.32R	222.88R	221.98R	221.81R	222.57R	221.45R	219.65R	218.88R	219.85R	1973
1974	217.11R	215.27R	211.97R	212.10R	223.21R	223.25R	222.64R	221.41R	220.11R	220.38R	221.52R	220.89R	219.10R	1974
1975	218.54R	215.13R	211.27R	208.69R	218.78R	221.78R	221.72R	220.61R	220.03R	220.09R	220.07R	218.82R	218.08R	1975
1976	217.38R	213.33R	208.57R	215.71R	222.87R	222.57R	222.95R	222.88R	222.08R	221.58R	221.29R	220.24R	219.48R	1976
1977	216.03R	215.84R	213.14R	214.88R	222.13R	222.32R	222.31R	222.15R	221.82R	221.33R	221.08R	220.88R	219.88R	1977
1978	216.08R	214.70R	208.88R	207.89R	218.64R	222.08R	221.85R	221.02R	220.01R	219.80R	219.44R	218.57R	217.80R	1978
1979	218.72R	214.08R	210.27R	214.10R	221.80R	222.28R	222.00R	221.40R	221.01R	222.21R	222.47R	222.53R	219.28R	1979
1980	220.54R	217.14R	213.48R	214.88R	220.38R	220.88R	220.32R	219.62R	219.48R	220.41R	221.38R	220.39R	219.10R	1910
1981	218.10R	215.78R	217.05R	219.79R	222.88R	222.57R	222.17R	221.44R	220.38R	219.37R	218.09R	218.27R	219.74R	1981
1982	216.52R	213.61R	210.04R	209.63R	218.71R	220.54R	219.81R	218.00R	---	216.62R	216.71R	215.65R	---	1982
1983	---	217.05R	213.18R	213.73R	221.48R	222.76R	221.88R	220.44R	218.41R	217.81R	217.31R	---	---	1983
1984	215.19R	212.74R	210.54R	213.72R	221.07R	222.87R	222.81R	222.64R	222.44R	221.82R	221.47R	221.15R	219.08R	1984
1985	219.88R	217.83	212.77	210.98	219.85	221.27	221.84	222.34	221.17	220.91	220.24	219.21	218.88R	1985
1986	217.29	213.15	209.80	215.25	222.05	222.63	221.87	---	220.14	220.57	220.63R	219.08R	---	1986
1987	216.81	213.24	210.04	215.33	218.81	219.85	219.48	219.00	218.57	218.83	219.37	218.89	217.32	1987
MOYEN	218.70R	216.19R	213.09R	214.49R	221.74R	223.17R	222.85R	222.19R	221.87R	221.34R	221.28R	220.60R	219.88R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 43 04 BASSIN VERSANT, 15 800 km²
LONG 75 59 03 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

GATINEAU (RIVIERE) AU RESERVOIR BASKATONG - STATION NO. 02LG007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	226.91R LE 7 JUN *	218.67R LE 31 MAR	1983
1984	---	---	---	1984
1985	---	230.39R LE 1 NOV	212.37R LE 6 AVR	1985
1986	---	229.31R LE 19 JUN	220.89R LE 24 MAR	1986
1987	---	223.38R LE 16 JUN	213.18R LE 9 AVR	1987
1988	---	222.62R LE 12 MAI	213.38R LE 27 MAR	1988
1989	---	222.74R LE 14 JUN	211.72R LE 8 AVR	1989
1970	---	223.36R LE 8 JUN	208.80R LE 12 AVR	1970
1971	---	222.63R LE 8 JUN	209.82R LE 11 AVR	1971
1972	---	223.18R LE 28 JUN	208.78R LE 20 AVR	1972
1973	---	222.88R LE 23 MAI	214.68R LE 11 MAR	1973
1974	---	223.46R LE 20 JUN	209.80R LE 10 AVR	1974
1975	---	222.17R LE 20 JUN	207.25R LE 15 AVR	1975
1976	---	223.21R LE 17 AOU	208.88R LE 22 MAR	1976
1977	---	222.49R LE 8 JUL	212.07R LE 30 MAR	1977
1978	---	222.32R LE 2 JUL	205.47R LE 29 MAR *	1978
1979	---	222.95R LE 28 OCT	208.53R LE 25 MAR	1979
1980	---	221.93R LE 1 JAN	211.93R LE 28 MAR	1980
1981	---	223.30R LE 22 MAI	215.12R LE 19 FEV	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	223.02R LE 20 JUN	209.34R LE 2 AVR	1984
1985	---	222.76 LE 2 AOU	209.37 LE 14 AVR	1985
1986	---	---	---	1986
1987	---	219.72 LE 1 JUN	208.83 LE 25 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

GENS DE TERRE (RIVIERE) AU RESERVOIR CABONGA - STATION NO. 02LG003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	357.87R	---	356.40R	356.54R	357.37R	357.70R	357.78R	357.86R	357.87R	357.81R	357.54R	357.60R	---	1963
1964	357.49R	357.42R	357.57R	357.55R	358.28R	358.60R	358.63R	358.62R	358.33R	358.10R	357.69R	357.60R	358.00R	1964
1965	357.78R	357.75R	357.46R	357.13R	357.82R	358.38R	358.33R	358.41R	358.69R	358.98R	359.21R	359.51R	358.30R	1965
1966	359.70R	359.61R	359.31R	358.89R	359.28R	359.71R	359.89R	360.05R	360.01R	359.98R	359.84R	360.26R	359.71R	1966
1967	360.52R	360.60R	360.06R	360.01R	360.70R	360.88R	360.78R	360.55R	360.45R	360.69R	360.64R	360.79R	360.57R	1967
1968	360.47R	360.10R	359.63R	359.65R	360.34R	360.50R	360.36R	360.49R	360.33R	360.12R	360.25R	360.21R	360.22R	1968
1969	359.63R	358.62R	357.58R	357.46R	358.30R	358.87R	359.12R	359.18R	358.87R	358.57R	358.80R	359.21R	358.88R	1969
1970	359.23R	358.98R	358.78R	358.68R	35C.68R	360.07R	360.18R	360.25R	360.13R	359.78R	359.34R	359.48R	359.58R	1970
1971	359.58R	358.80R	358.34R	358.65R	359.33R	359.88R	359.85R	359.68R	359.57R	358.80R	358.62R	358.78R	359.14R	1971
1972	358.78R	358.39R	358.14R	358.30R	359.02R	359.58R	359.98R	360.01R	360.01R	359.87R	360.05R	360.26R	359.37R	1972
1973	360.26R	359.84R	359.62R	359.91R	360.60R	360.88R	360.83R	360.75R	360.33R	360.19R	360.29R	359.98R	360.29R	1973
1974	359.62R	359.45R	359.36R	359.68R	360.47R	360.88R	360.80R	360.79R	360.64R	360.09R	359.78R	359.57R	360.10R	1974
1975	359.43R	359.37R	359.23R	359.19R	359.81R	360.21R	360 27R	360.26R	359.99R	359.81R	359.60R	359.64R	359.65R	1975
1976	358.74R	358.88R	359.03R	359.66R	360.22R	360.65R	360.70R	360.64R	360.47R	360.24R	359.70R	359.28R	359.84R	1976
1977	358.88R	358.62R	359.11R	359.73R	360.26R	360.48R	360.89R	360.63R	360.37R	360.08R	359.64R	359.49R	359.84R	1977
1978	359.42R	359.22R	359.28R	359.48R	360.04R	360.10R	360.07R	359.89R	359.70R	359.65R	359.35R	359.02R	359.80R	1978
1979	358.88R	358.93R	359.07R	359.48R	360.28R	360.87R	360.85R	360.65R	360.67R	360.77	360.81	360.89	360.14R	1979
1980	360.41	359.82	359.34	358.84	360.09	360.30	360.24	360.30	360.23	360.38	360.44	360.41	360.13	1980
1981	360.27	359.88	359.89	360.46	360.87	360.79	360.70	360.33	360.11	360.07	359.96	359.40	360.21	1981
1982	358.86	358.86	358.56	358.70	358.38	359.69	359.86	359.86	359.48	358.18	359.06	358.86	359.12	1982
1983	---	358.78	358.89	359.17	360.06	360.69	360.83	360.48	360.13	358.93	359.89	359.24	---	1983
1984	358.06	357.83	358.11	358.67	358.17	359.66	359.84	360.07	360.04	359.84	360.01	360.17	359.31	1984
1985	359.50	359.28	359.44	359.86	360.40	360.60	360.43	360.71	360.64	358.87	359.78	358.81	359.84	1985
1986	358.63	358.69	358.70	359.22	359.86	360.18	360.26	---	359.83	---	359.68R	359.20R	---	1986
1987	358.48	358.10	357.81	358.32	358.45	358.63	358.48	358.38	358.22	357.81	357.93	358.12	358.22	1987
MOYEN	359.18R	359.01R	358.74R	358.98R	359.60R	359.81R	359.98R	359.93R	359.82R	359.82R	359.62R	359.39R	359.84R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 18 43 BASSIN VERSANT, 2 820 km²
LONG 75 28 09 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1985

GENS DE TERRE (RIVIERE) AU RESERVOIR CABONGA - STATION NO. 02LG003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	---	---	---	1963
1964	---	358.73R LE 8 JUL	357.23R LE 6 AVR	1964
1965	---	359.82R LE 30 DEC	356.94R LE 12 AVR *	1965
1966	---	360.40R LE 30 DEC	356.77R LE 12 AVR	1966
1967	---	360.93R LE 12 JUN	359.78R LE 28 MAR	1967
1968	---	360.68R LE 1 JAN	359.48R LE 26 MAR	1968
1969	---	359.92R LE 1 JAN	357.25R LE 8 AVR	1969
1970	---	360.29R LE 18 AOU	358.88R LE 11 AVR	1970
1971	---	359.75R LE 3 JUL	358.27R LE 9 MAR	1971
1972	---	360.33R LE 30 DEC	358.08R LE 9 MAR	1972
1973	---	360.93R LE 11 JUN	359.38R LE 15 MAR	1973
1974	---	360.99R LE 20 JUN *	359.34R LE 16 MAR	1974
1975	---	360.30R LE 24 JUN	358.63R LE 22 DEC	1975
1976	---	360.78R LE 5 JUL	358.67R LE 1 JAN	1976
1977	---	360.73R LE 30 JUL	358.71R LE 24 JAN	1977
1978	---	360.24R LE 2 JUN	358.91R LE 31 DEC	1978
1979	---	360.86 LE 14 NOV	358.83R LE 8 JAN	1979
1980	---	360.80 LE 10 DEC	359.23 LE 28 MAR	1980
1981	---	360.97 LE 16 MAI	359.00 LE 27 DEC	1981
1982	---	359.87 LE 17 JUL	358.30 LE 21 DEC	1982
1983	---	---	---	1983
1984	---	360.26 LE 16 DEC	357.84 LE 23 JAN	1984
1985	---	360.78 LE 26 AOU	358.82 LE 31 DEC	1985
1986	---	---	---	1986
1987	---	358.82 LE 1 JAN	357.86 LE 19 OCT	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

HART JAUNE (RIVIERE) AU RESERVOIR PETIT MANICOUAGAN - STATION NO. 02TB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	202.84	202.09	201.23	200.21	200.02	203.22	203.63	203.84	203.85	203.72	203.84	203.02	202.85	1965
1966	202.27	201.45	200.66	199.73	199.59	203.23	203.66	203.62	203.85	203.73	203.77	203.68	202.39	1966
1967	203.08	202.38	201.46	200.61	200.13	202.62R	203.52	203.05	202.73	203.53	203.71	203.48	202.53R	1967
1968	202.83	202.10	201.23	200.37	201.47	203.34	203.65	203.70	203.80	203.63	203.72	203.23	202.75	1968
1969	202.56	201.79	200.85	200.03	200.02	203.12	203.32	203.41	203.77	203.80	203.80	203.67	202.52	1969
1970	203.14	202.40	201.56	200.70	200.88	203.42	203.48	203.71	203.88	203.51	203.30	202.70R	202.71R	1970
1971	201.80	200.80	199.71R	198.56	200.03	202.81	203.13	203.58	203.77	203.86	203.81	203.26	202.09R	1971
1972	202.82	201.84R	200.39	199.24R	198.55	202.30	203.48	203.40	203.68	203.89	203.83	202.98R	202.14R	1972
1973	202.05	201.08	200.04	198.89	199.94	203.59	203.83	203.86	203.38	203.22	203.29	202.80	202.14	1973
1974	202.21	201.31	200.25	199.13	198.56	202.77	203.54	203.58	203.53	203.41	203.06	202.44	201.99	1974
1975	201.86	200.89	199.26	198.01	198.37	202.30	203.54	203.80	203.85	203.81	203.27	202.89R	201.71R	1975
1976	201.84	200.83	199.81	199.11	200.31	203.62	203.52	203.83	203.70	203.73	203.72	203.16	202.26	1976
1977	202.49	201.77	200.94	199.40	199.41	203.18	203.10	203.80	203.84	203.38	203.22	203.12	202.26	1977
1978	202.83	201.88	200.85	199.33	199.82R	203.16	203.07	203.22	203.64	203.52	203.05	202.85	202.18R	1978
1979	202.02	201.18	199.98	199.12	201.62	203.58	203.51	203.43	203.48	203.43	203.49	202.80	202.32	1979
1980	202.28	201.17	199.80	198.87	200.28	203.13	203.38	203.41	203.27	203.56	203.45	202.98	202.14	1980
1981	202.17	200.80R	199.53	198.43R	198.52	203.11	203.58	203.64	203.28	203.47	203.35	202.91	201.82R	1981
1982	202.14	201.17R	200.06	198.88	198.23R	202.13	203.42	203.48	203.80	203.52	203.41	203.30	202.04R	1982
1983	202.98R	202.45	201.73R	201.08R	202.88	203.37	203.58	203.62	203.68	203.62	203.51	203.21	202.98R	1983
1984	202.38	201.40R	200.44R	199.47	200.43	202.88	203.48	203.46	203.42	---	---	---	---	1984
MOYEN	202.40R	201.51R	200.46R	199.48R	199.88R	203.05R	203.46	203.51	203.52	203.59	203.48	203.08R	202.29R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 51 50 00 BASSIN VERSANT, 4 880 km²
LONG 67 46 30 REGULARISE

DONNEES FOURNIES PAR -
QUEBEC CARTIER MINING COMPANY

R - REVISEE DEPUIS JAN 1, 1986

HART JAUNE (RIVIERE) AU RESERVOIR PETIT MANICOUAGAN - STATION NO. 02TB001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	203.80 LE 27 OCT	199.43 LE 11 MAI	1965
1966	---	204.22 LE 18 JUL *	199.18 LE 13 MAI	1966
1967	---	203.85 LE 31 JUL	199.88 LE 9 MAI	1967
1968	---	203.87 LE 31 OCT	200.12 LE 22 AVR	1968
1969	---	203.84 LE 23 NOV	199.38 LE 9 MAI	1969
1970	---	203.80 LE 7 SEP	200.33 LE 29 AVR	1970
1971	---	203.94 LE 4 OCT	198.24 LE 30 AVR	1971
1972	---	203.94 LE 10 OCT	198.18 LE 15 MAI	1972
1973	---	203.82 LE 11 JUN	198.30 LE 1 MAI	1973
1974	---	203.82 LE 29 JUN	198.24 LE 14 MAI	1974
1975	---	203.70 LE 28 SEP	197.42 LE 7 MAI *	1975
1976	---	203.84 LE 13 SEP	198.85 LE 5 MAI	1976
1977	---	203.87 LE 2 SEP	198.48 LE 30 AVR	1977
1978	---	203.78 LE 19 JUN	198.48 LE 9 MAI	1978
1979	---	203.78 LE 8 NOV	198.85 LE 27 AVR	1979
1980	---	203.87 LE 22 OCT	198.42 LE 30 AVR	1980
1981	---	204.03 LE 6 AOU	197.42 LE 5 MAI	1981
1982	---	203.87 LE 16 SEP	198.38 LE 30 AVR	1982
1983	---	203.78 LE 28 AOU	200.88R LE 19 AVR	1983
1984	---	203.81 LE 26 JUL	199.10 LE 28 AVR	1984

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

ILES (LAC DES) - STATION NO. 02LE020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	24.80	24.85	24.81	---	---	1982
1983	24.98	24.84	24.88	25.03	24.83	24.84	24.73	24.67	24.82	24.84	25.02	---	---	1983
1984	24.98	25.01	25.00	25.11	25.02	24.88	24.81	24.70	24.81	24.48	24.43	24.60	24.79	1984
1985	24.74	---	24.78	24.92	25.08	24.95	24.88	24.82	25.08	25.11	25.01	---	---	1985
1986	24.99	24.85	24.80	---	---	---	---	---	---	---	---	---	---	1986
MOYEN	24.92	24.93	24.88	25.02	25.01	24.89	24.80	24.78	24.82	24.85	24.84	24.80	24.79	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 29 18
LONG 75 32 36

REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ILES (LAC DES) - STATION NO. 02LE020

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	25.29 LE 19 AVR *	24.41 LE 11 NOV *	1984
1985	---	---	---	1985
1986	---	---	---	1986

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ILES (LAC DES) - STATION NO. 02LE022

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1962	---	---	---	---	---	---	---	---	207.84	207.72	207.77	207.82	---	1962
1963	207.85	207.85	---	207.81	---	207.71	---	207.53	207.67	207.79	207.87	---	---	1963
1964	207.80	207.85	207.85	207.84	207.88	207.75	207.69	207.60	207.53	207.43	207.38	207.47	207.68	1964
1965	207.88	207.70	207.88	207.83	207.97	207.80	207.71	207.76	207.92	207.88	207.80	207.78	207.81	1965
1966	207.88	207.74	207.89	207.90	207.88	207.90	207.68	207.67	207.58	207.40	207.48	207.83	207.72	1966
1967	207.92	207.86	207.77	208.12	207.88	207.85	207.75	207.54	207.50	207.60	207.90	207.81	207.81	1967
1968	207.78	207.77	207.82	208.00	207.75	207.80	207.84	207.74	207.60	207.40	207.31	207.34	207.88	1968
1969	207.38	207.43	207.42	207.89	207.81	207.78	207.60	207.80	207.70	207.86	207.78	207.74	207.87	1969
1970	207.81	207.53	207.81	207.75	208.04	207.80	207.88	207.73	207.85	207.72	207.87	207.84	207.78	1970
1971	207.82	207.72	207.72	207.83	208.05	207.76	207.78	207.78	207.86	207.88	207.80	207.81	207.82	1971
1972	207.85	---	---	---	---	208.06	208.01	207.88	207.89	207.88	208.18	208.14	---	1972
1973	207.74	207.86	208.12	208.15	208.08	208.02	207.88	207.84	207.84	207.85	208.08	207.87	207.99	1973
1974	207.72	207.78	207.85	208.12	208.18	208.10	208.07	208.03	207.72	207.73	207.82	207.74	207.81	1974
1975	207.67	207.68	207.68	207.88	207.88	207.84	207.80	207.80	207.82	207.83	207.84	208.18	207.89	1975
1976	---	207.91	207.88	208.13	208.11	207.82	207.88	207.81	207.85	207.88	208.10	207.88	---	1976
1977	208.04	208.15	208.00	208.45	208.04	208.00	207.94	207.82	207.88	207.83	207.86	207.88	208.02	1977
1978	207.87	207.77	207.89	207.83	207.88	207.89	207.84	207.78	207.87	207.83	207.80	---	---	1978
1979	---	---	---	208.05	207.88	207.72	207.87	207.73	207.80	207.88	---	---	---	1979
1980	---	207.87	207.84	207.88	207.75	207.84	207.89	207.72	207.88	207.88	207.90	207.88	---	1980
1981	---	207.95	207.84	208.02	207.82	207.80	207.88	207.84	207.85	207.88	207.74	207.80	---	1981
1982	---	207.77	207.76	207.87	207.83	207.89	207.83	207.82	207.83	---	207.87	207.85	---	1982
1983	---	---	---	207.81	---	---	---	---	207.83	207.87	207.77	207.88	---	1983
1984	207.48	207.42	207.50	207.93	207.75	207.70	207.74	207.71	207.70	207.83R	207.78R	207.85R	207.87R	1984
1985	207.56	207.82	207.84	207.82	207.85	207.70	207.88	207.81	207.80	207.58R	207.85R	207.73R	207.87R	1985
1986	207.82	207.73	207.78	207.93	207.79	207.70	207.87	207.82	207.89	207.87R	207.80R	207.70R	207.89R	1986
1987	207.86	207.82	207.80	207.84	207.74	207.86	207.88	207.86	207.80	---	---	---	---	1987
MOYEN	207.73	207.75	207.74	207.84	207.89	207.81	207.77	207.71	207.89	207.72R	207.79R	207.81R	207.77R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 24 32 BASSIN VERSANT, 144 km^2 DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1985
LONG 78 32 05 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ILES (LAC DES) - STATION NO. 02LE022

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	208.10 LE 19 AVR	207.38 LE 11 NOV	1964
1965	---	208.14 LE 24 SEP	207.93 LE 8 AVR	1965
1966	---	208.02 LE 25 AVR	207.32 LE 31 OCT	1966
1967	---	208.30 LE 22 AVR	207.47 LE 18 SEP	1967
1968	---	208.08 LE 10 AVR	207.29 LE 18 NOV *	1968
1969	---	207.88 LE 23 AVR	207.38 LE 1 JAN	1969
1970	---	208.18 LE 4 MAI	207.48 LE 5 MAR	1970
1971	---	208.21 LE 4 MAI	207.70 LE 10 AVR	1971
1972	---	---	---	1972
1973	---	208.20 LE 30 MAR	207.87 LE 22 JAN	1973
1974	---	208.24 LE 27 AVR	207.88 LE 28 JAN	1974
1975	---	208.29 LE 8 DEC	207.45 LE 7 SEP	1975
1976	---	---	---	1976
1977	---	208.59 LE 15 AVR *	207.75 LE 1 OCT	1977
1978	---	208.01 LE 3 MAI	207.57 LE 5 NOV	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	208.17 LE 20 AVR	207.37 LE 10 FEV	1984
1985	---	208.25 LE 27 AVR	207.51 LE 31 MAR	1985
1986	---	208.07 LE 10 AVR	207.54 LE 8 SEP	1986
1987	---	207.98 LE 8 AVR	207.52 LE 24 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ILES (LAC DES) A ENTRELACS - STATION NO. 0208020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	---	29.00	29.03	28.94	28.90	28.88	28.88	28.94	---	1967
1968	28.80	28.78	28.79	28.88	28.91	28.87	28.85	28.77	28.81	28.76	28.78	28.80	28.83	1968
1969	28.88	28.79	28.74	28.83	28.96	28.91	28.82	28.88	28.80	28.74	---	28.89	---	1969
1970	---	---	28.77	28.88	27.08	28.88	---	28.93	28.88	---	28.82	28.84	---	1970
1971	28.71	28.71	28.72	28.88	28.98	27.87	28.82	28.83	28.83	28.73	28.78	28.84	28.78	1971
MOYEN	28.80	28.76	28.76	28.88	28.97	27.32	27.41	27.27	27.24	27.27	27.31	27.28	28.81	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 08 32
LONG 74 02 01 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ILES (LAC DES) A ENTRELACS - STATION NO. 0208020

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	---	---	1967
1968	---	27.08 LE 15 AVR *	28.72 LE 19 OCT	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	27.02 LE 11 MAI	28.68 LE 12 AVR *	1971

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ILES (LAC DES) AU PONT - STATION NO. 02LE023

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1962	---	---	---	---	---	---	---	---	24.78	24.85	24.91	24.94	---	1962
1963	24.97	24.97	---	24.88	---	24.82	---	24.84	24.78	---	24.87	---	---	1963
1964	24.91	24.97	24.98	24.91	24.87	24.86	24.80	24.70	24.64	24.53	24.49	24.55	24.77	1964
1965	24.78	24.80	24.79	24.74	24.89	24.81	24.53	24.56	24.70	24.85	24.84	24.55	24.67	1965
1966	24.69	24.50	24.46	24.57	24.83	---	---	---	---	---	---	---	---	1966
MOYEN	24.84	24.81	24.74	24.78	24.78	24.78	24.67	24.64	24.73	24.88	24.75	24.68	24.72	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 24 18
LONG 76 31 49 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ILES (LAC DES) AU PONT - STATION NO. 02LE023

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	25.08 LE 15 AVR *	24.47 LE 13 NOV	1964
1965	---	24.95 LE 15 AVR	24.46 LE 19 OCT	1965
1966	---	24.78 LE 31 MAI	24.34 LE 1 MAR *	1966

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

JACK (LAC A) - STATION NO. 02PF003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	---	---	33.77	33.40	---	33.58	33.43	33.21	---	1967
1968	---	---	---	33.32	33.68	33.71	33.60	33.07	32.82	33.30	---	33.34	---	1968
1969	---	33.28	---	---	33.88	---	35.01	---	---	---	---	33.42	---	1969
1970	33.37	33.38	33.38	33.40	33.73	33.58	33.44	33.68	34.18	34.78	33.43	33.43	33.86	1970
1971	33.40	33.36	33.38	33.41	34.06	34.84	35.02	35.03	35.07	34.32	33.68	33.48	34.09	1971
1972	33.47	33.45	---	33.45	33.81	35.00	35.07	34.84	34.73	34.18	33.58	33.51	---	1972
1973	33.48	33.48	---	33.55	---	---	---	---	---	34.60	33.81	---	---	1973
1974	---	---	33.48	33.48	---	35.08	35.21	35.25	35.14	34.45	---	33.87	---	1974
1975	33.55	33.48	---	---	---	---	34.71	34.84	34.60	34.70	34.05	33.71	---	1975
1976	33.84	33.83	33.85	33.78	34.61	35.03	34.98	34.84	34.68	34.17	33.87	33.78	34.22	1976
1977	---	33.73	33.73	33.78	34.23	34.81	34.77	34.60	33.67	33.82	33.62	---	---	1977
1978	---	33.48	---	33.43	33.84	34.87	34.83	34.82	34.61	33.95	33.81	33.62	---	1978
1979	33.48	33.41	33.41	33.58	34.27	34.78	---	34.81	34.73	34.34	33.58	33.84	---	1979
1980	33.47	33.41	33.41	33.47	34.18	34.70	34.82	34.71	34.74	34.60	---	33.78	---	1980
1981	33.72	33.78	33.81	34.04	34.36	34.60	34.65	34.82	34.20	33.87	33.38	33.28	34.01	1981
1982	33.21	33.18	33.18	33.23	33.77	34.08	34.80	---	---	---	---	---	---	1982
MOYEN	33.48	33.46	33.50	33.53	34.03	34.80	34.81	34.68	34.42	34.18	33.82	33.61	33.99	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 35 25
LONG 70 59 28 BASSIN VERSANT, 81.6 km² REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

JACK (LAC A) - STATION NO. 02PP003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	35.08 LE 7 OCT	33.22 LE 29 JUN *	1970
1971	---	35.14 LE 26 AOU	33.36 LE 13 FEV	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	35.23 LE 21 MAI *	33.62 LE 25 JAN	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	34.86 LE 28 JUN	33.23 LE 30 DEC	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

JACQUES-CARTIER (RIVIERE) AU RESERVOIR JACQUES-CARTIER - STATION NO. 02PC004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	34.98	34.04	32.90	32.07	33.03	34.70	34.75	34.81	34.70	34.77	34.87	34.94	34.22	1966
1967	35.02	34.81	33.24	31.55	32.03	34.37	34.77	34.61	34.22	34.52	34.89	34.97	34.06	1967
1968	34.98	34.81	33.40	32.64	34.80	34.22	33.71	33.87	34.01	33.89	34.12	34.41	34.07	1968
1969	34.83	34.76	33.91	32.20	33.07	34.82	34.38	34.58	34.56	34.58	34.78	34.88	34.24	1969
1970	34.86	34.88	34.48	32.83	33.21	34.48	34.89	33.26	33.27	34.63	34.75	34.86	34.18	1970
1971	34.82	34.07	32.84	31.41	32.70	34.38	34.58	34.88	33.87	34.17	34.78	34.87	33.93	1971
1972	34.98	34.47	33.02	31.62	32.03	34.03	34.90	34.22	34.38	34.48	34.22	34.87	33.87	1972
1973	34.85	34.43	33.03	31.80	33.70	34.82	34.77	34.80	34.84	34.72	34.71	34.87	34.24	1973
1974	34.81	34.31	32.81	31.84	32.48	34.48	34.84	34.80	34.45	34.62	34.78	34.84	34.07	1974
1975	34.81	33.93	32.73	31.54	32.84	34.51	34.23	34.71	34.88	34.81	34.76	34.88	34.02	1975
1976	34.82	33.43	32.14	31.73	33.46	34.88	34.82	34.83	34.40	34.81	34.82	35.02	34.03	1976
1977	34.81	33.76	32.39	31.88	33.81	34.56	34.47	34.47	34.55	34.63	34.81	34.88	34.08	1977
1978	34.70	34.17	32.88	31.45	32.80	33.85	33.73	34.07	34.14	34.81	35.00	35.05	33.82	1978
1979	34.70	33.84	32.48	31.88	33.95	34.37	34.20	33.93	33.78	33.73	34.40	35.00	33.84	1979
1980	34.90	33.94	32.18	32.01	33.70	34.47	34.68	34.42	34.58	34.75	34.92	34.90	34.12	1980
1981	34.74	34.08	33.72	33.70	34.05	34.88	34.86	34.70	34.80	34.86	34.86	34.87	34.45	1981
1982	34.83	33.48	---	---	33.81	34.86	34.86	34.21	34.84	34.74	34.86	34.87	---	1982
1983	35.00	---	---	---	34.84	34.85	34.40	34.31	---	---	---	---	---	1983
1984	34.75	---	---	31.54	33.37	34.35	34.58R	34.84R	34.37R	34.35R	34.71R	34.97R	---	1984
1985	34.71	33.17	31.48	31.34	33.70	34.04	34.56	34.59	33.56	34.41R	34.71R	34.81R	33.78R	1985
1986	34.70	34.81	32.38	32.16	33.88	34.81	34.71	34.55	34.60	34.48R	34.79R	34.92R	34.21R	1986
1987	34.24	32.36	31.43	32.84	33.76	34.53	34.73	34.31	33.92	---	---	---	---	1987
MOYEN	34.77	34.06	32.78	31.97	33.36	34.44	34.52R	34.40R	34.29R	34.52R	34.74R	34.88R	34.07R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 32 10 BASSIN VERSANT, 186 km²
LONG 71 13 27 REGULARISE

DONNEES FOURNIES PAR -
DOMTAR PULP AND PAPER COMPANY

R - REVISEE DEPUIS JAN 1, 1988

JACQUES-CARTIER (RIVIERE) AU RESERVOIR JACQUES-CARTIER - STATION NO. 02PC004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	35.08 LE 1 JAN	31.81 LE 12 AVR	1966
1967	---	35.08 LE 1 JAN	31.24 LE 20 AVR	1967
1968	---	34.99 LE 1 JAN	32.00 LE 15 AVR	1968
1969	---	34.96 LE 13 NOV	31.58 LE 28 AVR	1969
1970	---	34.93 LE 1 JAN	31.84 LE 30 AVR	1970
1971	---	35.05 LE 25 AOU	31.15 LE 30 AVR	1971
1972	---	34.99 LE 1 JAN	30.91 LE 5 MAI	1972
1973	---	34.99 LE 8 JUL	31.62 LE 22 AVR	1973
1974	---	35.05 LE 4 AOU	31.36 LE 26 AVR	1974
1975	---	34.99 LE 26 JUN	31.12 LE 4 MAI	1975
1976	---	35.05 LE 15 AOU	31.42 LE 16 AVR	1976
1977	---	35.05 LE 1 JAN	31.38 LE 13 AVR	1977
1978	---	35.05 LE 16 NOV	31.24 LE 3 MAI	1978
1979	---	35.05 LE 12 DEC	30.82 LE 3 MAR *	1979
1980	---	35.66 LE 12 FEV	31.46 LE 3 AVR	1980
1981	---	34.99 LE 16 NOV	32.02 LE 4 MAI	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	35.05 LE 21 MAI	31.08 LE 4 AVR	1985
1986	---	57.91 LE 27 FEV *	31.70 LE 17 AVR	1986
1987	---	35.05 LE 31 MAI	31.30 LE 15 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

JIM (LAC A) - STATION NO. 02RE008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	---	---	---	---	---	---	---	---	30.98	---	1965
1966	30.87	30.72	30.74	31.24	---	---	---	---	---	---	---	32.22	---	1966
1967	---	---	---	---	---	32.81	---	---	---	31.97	32.04	---	---	1967
1968	---	---	---	31.84	32.37	---	32.37	32.49	32.08	32.07	31.85	---	---	1968
1969	---	30.88	30.88	---	32.48	32.43	---	---	32.81	31.98	31.32	---	---	1969
1970	---	---	---	---	---	32.28	32.47	32.25	32.48	32.12	31.36	30.88	---	1970
1971	30.78	---	30.88	30.88	32.27	32.21	---	---	---	---	---	---	---	1971
1972	30.83	30.83	30.84	---	32.20	---	---	---	---	---	---	---	---	1972
1973	31.08	31.10	30.98	31.83	32.81	32.73	32.60	32.79	32.58	32.38	31.32	31.08	---	1973
1974	31.01	30.84	30.90	31.08	---	---	---	---	32.28	32.31	31.47	31.11	31.92	1974
1975	---	---	---	---	---	32.80	---	---	---	---	31.81	31.11	---	1975
1976	---	---	---	31.80	32.80	---	---	---	---	---	---	---	---	1976
1977	30.74	30.88	30.74	31.33	32.83	32.80	32.35	32.18	32.30	32.48	31.18	30.83	---	1977
1978	---	30.88	30.84	30.88	32.88	32.82	32.72	32.40	32.50	31.81	31.28	---	---	1978
1979	---	30.74	30.77	---	---	31.41	---	30.97	31.00	32.48	31.38	30.85	---	1979
1980	30.83	30.44	30.37	31.03	31.38	30.70	31.04	31.08	30.88	31.74	30.84	30.78	---	1980
1981	30.47	30.61	30.88	31.23	31.80	31.00	30.88	30.28	30.33	31.18	30.78	30.83	30.81	1981
1982	30.37	30.38	30.32	30.84	31.81	---	---	---	---	30.89	30.80	30.37	30.71	1982
MOYEN	30.73	30.72	30.71	31.17	32.31	32.12	32.00	31.80	31.88	31.82	31.31	30.97	31.15	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 59 00 BASSIN VERSANT, 1 180 km²
LONG 72 44 32 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

JIM (LAC A) - STATION NO. 02RE008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	33.33 LE 8 MAI *	30.86 LE 1 JAN	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	32.14 LE 3 MAI	30.33 LE 8 AVR	1980
1981	---	32.88 LE 18 MAI	30.08 LE 2 SEP *	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

KIAMIKA (RIVIERE) AU BARRAGE KIAMIKA - STATION NO. 02LE017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1954	---	---	---	261.98	265.69	265.95	265.89	268.27	266.63	267.74	268.50	268.17	---	1954
1955	268.17	268.59	268.05	266.78	265.67	269.81	269.78	269.35	268.67	268.60	265.22	262.64	267.48	1955
1956	260.84	259.42	258.98	260.18	263.62	264.94	264.14	264.65	265.85	266.78	267.27	267.78	263.70	1956
1957	267.89	267.27	266.33	266.69	268.38	268.95	269.88	269.81	269.90	269.88	269.92	269.91	268.75	1957
1958	269.88	269.80	269.33	268.67	269.84	269.20	269.86	269.23	269.88	269.94	269.89	269.84	269.85	1958
1959	269.88	268.17	266.58	266.01	268.12	268.98	269.48	269.81	269.94	269.80	269.97	269.88	268.86	1959
1960	269.34	267.68	266.45	267.14	269.78	269.21	269.23	269.42	269.51	269.50	269.63	269.68	268.89	1960
1961	268.45	267.10	265.89	266.79	266.31	269.30	269.84	269.87	269.85	269.78	269.78	269.83	268.86	1961
1962	269.38	268.35	267.30	266.87	269.22	268.54	267.93	267.95	268.07	267.98	266.78	265.87	267.84	1962
1963	264.32	261.98	260.27	261.43	264.98	265.56	265.81	265.78	266.38	266.85	266.83	267.13	264.81	1963
1964	266.85	266.15	265.17	265.10	267.16	266.11	266.28	266.58	266.83	266.90	266.74	267.26	267.42	1964
1965	265.87	264.85	264.98	264.44	266.28	267.52	267.74	268.19	268.08	268.93	269.90	269.62	267.40	1965
1966	269.71	268.89	267.87	267.82	268.47	269.63	269.62	269.68	269.78	269.78	269.71	269.33	269.29	1966
1967	268.84	267.71	266.82	266.82	269.20	269.86	269.92	269.80	269.10	269.47	269.86	269.88	268.92	1967
1968	269.32	268.37	266.91	267.84	268.78	269.87	269.87	269.80	269.81	269.82	269.86	266.29	269.11	1968
1969	266.34	264.37	262.03	262.38	266.30	266.85	267.23	267.80	268.07	268.44	269.00	267.85	266.30	1969
1970	265.21	263.42	263.74	263.18	266.88	266.81	269.19	269.77	269.85	269.90	269.91	269.81	267.47	1970
1971	267.92	266.34	264.78	264.87	267.86	269.13	269.46	269.68	269.83	269.51	268.13	266.91	267.81	1971
1972	264.20	262.02	260.88	261.26	265.17	267.88	269.67	269.86	269.86	269.84	269.86	269.86	266.84	1972
1973	---	---	---	266.05	269.81	270.00	269.94	269.87	269.87	269.89	269.85	269.87	---	1973
1974	---	268.51	---	---	269.87	270.14	269.96	269.81	269.43	268.48	268.77	269.15	---	1974
1975	---	---	---	---	267.06	266.18	266.39	266.12	267.95	268.31	268.47	266.12	---	1975
1976	267.54	---	---	267.66	269.82	269.86	269.87	269.88	269.86	269.83	269.23	---	---	1976
1977	---	---	---	264.46	267.33	267.76	267.84	---	267.76	267.47	---	---	---	1977
1978	266.06	265.65	264.50	263.95	266.71	267.62	267.86	267.71	267.81	266.90	266.53	264.26	266.18	1978
1979	262.81	---	---	263.10	---	---	---	267.36	268.06	267.23	267.66	266.51	---	1979
1980	---	266.85	265.50	266.17	267.50	267.88	---	---	---	267.32	268.59	269.00	---	1980
1981	268.18	266.84	267.65	269.53	269.86	269.92	269.78	269.09	268.13	266.80	266.44	265.85	268.20	1981
1982	264.49	262.78	262.57	263.59	266.71	267.29	267.43	266.78	266.34	266.40	266.28	---	---	1982
1983	---	267.36	266.65	267.10	269.80	269.84	268.78	266.81	267.45	266.91	266.14	265.38	---	1983
1984	264.49	263.62	263.70	265.08	267.15	266.28	266.86	269.88	---	---	266.08R	267.60R	---	1984
1985	---	---	---	264.43	267.59	266.22	266.86	266.72	266.18	267.27R	266.83R	266.13R	---	1985
1986	265.41	264.66	263.85	265.54	267.70	266.89	269.26	266.67	266.24	266.03R	267.81R	267.18R	267.13R	1986
1987	266.09	264.63	263.59	265.17	266.87	266.51	267.42	266.13	266.48	---	---	---	---	1987
MOYEN	266.78	265.91	264.82	265.27	267.78	268.44	268.67	268.71	268.80	268.47R	268.38R	268.02R	267.84R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 38 00 BASSIN VERSANT, 704 km²
LONG 75 08 00 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

KIAMIKA (RIVIERE) AU BARRAGE KIAMIKA - STATION NO. 02LE017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1954	---	---	---	1954
1955	---	269.85 LE 22 JUN	257.38 LE 28 AOU *	1955
1956	---	267.91 LE 28 DEC	258.78 LE 1 AVR	1956
1957	---	270.01 LE 12 JUL	266.12 LE 19 MAR	1957
1958	---	270.81 LE 3 JUL *	268.13 LE 9 AVR	1958
1959	---	270.08 LE 5 SEP	260.75 LE 5 OCT	1959
1960	---	270.00 LE 17 MAI	265.13 LE 31 MAR	1960
1961	---	270.01 LE 22 JUL	265.27 LE 4 AVR	1961
1962	---	269.59 LE 1 JAN	265.23 LE 31 DEC	1962
1963	---	267.21 LE 4 DEC	259.72 LE 1 AVR	1963
1964	---	270.44 LE 11 FEV	264.31 LE 11 AVR	1964
1965	---	269.98 LE 15 OCT	263.00 LE 13 AVR	1965
1966	---	269.84 LE 15 AOU	267.11 LE 26 MAR	1966
1967	---	270.01 LE 5 NOV	265.98 LE 7 AVR	1967
1968	---	269.91 LE 13 JUN	266.18 LE 28 MAR	1968
1969	---	269.22 LE 18 NOV	261.26 LE 27 MAR	1969
1970	---	269.98 LE 23 NOV	262.85 LE 15 AVR	1970
1971	---	269.92 LE 27 SEP	264.32 LE 13 AVR	1971
1972	---	270.10 LE 24 JUL	260.44 LE 14 MAR	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	267.79 LE 28 JUN	263.43 LE 11 AVR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	270.15 LE 18 MAI	265.42 LE 31 DEC	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	269.38 LE 15 JUL	263.48 LE 30 MAR	1986
1987	---	268.63 LE 30 SEP	263.14 LE 28 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

KIPAWA (LAC) A LANIEL - STATION NO. 02JE017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1954	287.85	287.83	287.87	288.21	289.47	289.74	289.74	289.75	289.73	289.76	289.75	289.74	289.14	1954
1955	289.67	289.35	288.83	288.05	288.37	289.70	289.70	289.58	289.40	289.33	289.72	289.69	289.35	1955
1956	289.62	289.22	288.54	288.15	288.10	289.67	289.68	289.55	289.67	289.71	289.68	---	---	1956
1957	289.62	289.06	288.43	288.29	289.46	289.45	289.89	289.61	289.68	289.62	289.71	289.68	289.35	1957
1958	289.64	289.49	289.06	288.55	288.17	289.67	289.68	---	289.67	289.65	289.67	289.61	---	1958
1959	289.56	289.36	288.83	288.33	289.49	289.65	289.64	289.54	289.65	289.66	289.69	289.68	289.42	1959
1960	289.49	---	288.88	288.38	289.78	289.70	289.70	289.62	289.65	289.63	289.62	289.61	---	1960
1961	289.49	289.31	288.10	289.04	289.65	289.70	289.67	289.70	289.72	289.64	289.67	289.68	289.53	1961
1962	---	---	---	---	---	---	---	---	289.30	289.63	289.67	289.32	---	1962
1963	288.17	287.88	287.78	288.09	---	289.64	289.82	289.64	---	289.62	289.68	289.78	---	1963
1964	289.77	289.60	288.95	288.63	289.64	289.63	289.69	289.78	289.53	289.25	288.97	288.76	289.38	1964
1965	288.63	288.48	288.32	288.13	289.24	289.67	289.68	289.81	289.90	289.67	289.81	289.78	289.33	1965
1966	289.62	289.48	288.80	288.80	289.78	289.67	289.87	289.90	289.64	289.80	289.93	289.88	289.83	1966
1967	289.60	289.14	288.61	288.63	289.62	289.81	289.80	289.77	289.50	289.40	289.77	289.84	289.45	1967
1968	289.48	289.19	288.77	288.74	289.60	289.69	289.82	289.79	289.70	289.62	289.27	289.05	289.39	1968
1969	288.91	288.71	288.51	288.22	289.35	---	289.62	289.68	289.67	289.66	289.80	289.87	---	1969
1970	289.43	289.13	288.48	287.94	289.20	289.68	289.68	289.53	289.54	289.62	289.60	289.28	289.24	1970
1971	289.08	288.81	288.12	---	288.88	---	---	---	289.23	289.12	289.02	289.04	---	1971
1972	289.02	288.58	288.07	287.70	288.83	289.62	289.81	289.72	289.65	289.50	289.54	289.13	289.08	1972
1973	---	---	287.88	---	---	289.81	289.68	289.78	289.72	289.83	289.50	288.80	---	1973
1974	288.42	288.20	287.86	287.89	289.35	289.74	289.81	289.84	289.44	289.38	289.51	289.20	289.01	1974
1975	288.82	288.13	287.81	287.48	288.98	289.55	289.47	289.81	289.34	289.27	289.31	---	---	1975
1976	288.86	288.48	287.91	288.04	289.34	289.68	289.87	289.64	289.46	289.35	289.23	288.98	289.05	1976
1977	288.71	288.25	287.78	287.80	289.24	289.70	289.70	289.75	289.74	289.76	289.80	289.21	289.12	1977
1978	288.72	288.27	287.85	287.85	288.82	289.80	289.84	289.86	289.58	289.67	289.34	288.99	288.98	1978
1979	288.74	288.32	287.83	287.94	289.85	289.87	289.81	289.87	289.87	289.84	289.86	289.63	289.18	1979
1980	288.83	288.25	---	288.44	289.52	289.80	289.87	289.68	289.68	289.65	289.27	288.85	---	1980
1981	288.33	287.82	287.84	288.10	289.81	289.85	289.85	289.68	289.68	289.68	289.32	288.89	289.09	1981
1982	288.18	---	---	---	289.88	289.71	---	---	---	---	---	---	---	1982
1987	---	287.672	287.688	288.043	289.114	289.690	289.686	289.684	289.486	289.390	289.388	289.241	---	1987
MOYEN	289.05	288.683	288.288	288.228	289.342	289.700	289.686	289.678	289.594	289.545	289.487	289.328	289.28	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 02 30
LONG 79 18 12 REGULARISE

REMARQUES - AUTROFOIS LE NOM ETE "AU BARRAGE DE KIPAWA". CEDEE A WRB-ONT REG DU DPW-QUE JAN 1987

KIPAWA (LAC) A LANIEL - STATION NO. 02JE017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1954	---	289.84 LE 4 JUN	287.80 LE 17 FEV	1954
1955	---	289.75 LE 24 JUN	287.80 LE 10 AVR	1955
1956	---	---	---	1956
1957	---	289.78 LE 8 JUL	288.15 LE 2 AVR	1957
1958	---	---	---	1958
1959	---	289.75 LE 8 NOV	288.15 LE 16 AVR	1959
1960	---	---	---	1960
1961	---	289.81 LE 27 SEP	288.93 LE 7 AVR	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	289.98 LE 11 JUN	288.41 LE 15 AVR	1964
1965	---	289.98 LE 23 SEP	288.10 LE 13 AVR	1965
1966	---	270.07 LE 28 NOV *	288.38 LE 15 AVR	1966
1967	---	270.00 LE 15 JUN	288.28 LE 5 AVR	1967
1968	---	289.87 LE 20 JUN	288.43 LE 4 AVR	1968
1969	---	---	---	1969
1970	---	289.84 LE 4 JUN	287.77 LE 19 AVR	1970
1971	---	---	---	1971
1972	---	289.86 LE 10 SEP	287.82 LE 16 AVR	1972
1973	---	---	---	1973
1974	---	289.92 LE 2 JUN	287.35 LE 21 AVR *	1974
1975	---	---	---	1975
1976	---	289.74 LE 20 JUN	287.72 LE 25 MAR	1976
1977	---	289.79 LE 3 AOU	287.89 LE 18 MAR	1977
1978	---	289.76 LE 4 OCT	287.59 LE 14 AVR	1978
1979	---	289.90 LE 22 MAI	287.72 LE 23 MAR	1979
1980	---	---	---	1980
1981	---	289.76 LE 21 OCT	287.84 LE 21 FEV	1981
1982	---	---	---	1982
1987	289.898 LE 8 JUN A 0334 HNE *	289.827 LE 7 JUN	287.604 LE 19 FEV	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTYRES POUR TOUTE LA PERIODE D'OBSERVATION

KIPAWA (LAC) AU BARRAGE DE KIPAWA - STATION NO. 02JE005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	268.05	268.55	267.87	267.65	269.01	269.58	269.63	269.75	269.58	269.56	269.64	269.16	269.10	1972
1973	268.54	268.07	267.87	268.34	269.40	269.68	269.68	269.77	269.76	269.68	269.50	268.81	269.10	1973
1974	268.42	268.17	267.87	267.77	269.42	269.75	269.60	269.81	269.41	269.37	269.52	269.17	269.01	1974
1975	268.60	268.09	267.53	267.67	269.05	269.55	269.48	269.81	269.35	269.27	269.32	269.29	268.90	1975
1976	268.64	268.46	267.67	268.09	269.39	269.71	269.69	269.66	269.46	269.36	269.22	268.94	269.05	1976
1977	268.68	268.23	267.74	267.67	269.25	269.71	269.70	269.75	269.74	269.77	269.81	269.22	269.11	1977
1978	268.72	268.28	267.85	267.64	268.81	269.81	269.85	269.86	269.58	269.69	269.36	269.02	269.00	1978
1979	268.78	268.35	267.86	267.92	269.69	269.80	269.86	269.71	269.69	269.63	269.64	269.50	269.17	1979
1980	268.81	268.26	267.77	268.44	269.65	269.81	269.86	269.82	269.72	269.66	269.28	268.85	269.12	1980
1981	268.33	267.91	267.82	269.08	269.80	269.85	269.86	269.69	269.80	269.67	269.33	268.89	269.08	1981
1982	268.18	267.78	267.58	267.72	269.00	269.74	269.86	269.45	269.85	269.67	269.81	269.23	268.93	1982
1983	268.88	268.28	267.86	268.06	269.42	269.81	269.87	269.81	269.57	269.68	269.37	269.00	269.08	1983
1984	268.70	268.34	267.77	268.02	269.44	269.69	269.80	269.83	269.80	269.70	269.85	269.26	269.11	1984
1985	268.73	268.13	267.76	268.10	269.58	269.65	269.80	269.69	269.58	269.50	269.40	269.06	269.05	1985
1986	268.44	268.01	267.74	268.07	269.16	269.81	269.82	269.82	269.58	269.81	269.38R	268.78R	268.97R	1986
1987	268.03	267.88	267.67	268.03	269.11	269.80	269.81	269.82	269.53	269.43	269.43	269.28	268.93	1987
MOYEN	268.62	268.18	267.78	268.03	269.31	269.63	269.84	269.83	269.68	269.58	269.46R	269.08R	269.05R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 46 55 BASSIN VERSANT, 6 860 km²
LONG 78 59 08 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

KIPAWA (LAC) AU BARRAGE DE KIPAWA - STATION NO. 02JE005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	269.64 LE 25 AOU	267.59 LE 16 AVR	1972
1973	---	269.85 LE 25 JUN	267.81 LE 28 MAR	1973
1974	---	269.92 LE 4 JUN	267.86 LE 10 AVR	1974
1975	---	269.77 LE 30 MAI	267.42 LE 14 MAR *	1975
1976	---	269.77 LE 15 JUN	267.72 LE 24 MAR	1976
1977	---	269.81 LE 26 OCT	267.64 LE 27 MAR	1977
1978	---	269.78 LE 4 OCT	267.59 LE 18 AVR	1978
1979	---	269.84 LE 21 MAI *	267.85 LE 12 AVR	1979
1980	---	269.85 LE 8 OCT	267.86 LE 20 MAR	1980
1981	---	269.78 LE 22 OCT	267.82 LE 22 FEV	1981
1982	---	269.77 LE 5 JUN	267.64 LE 30 MAR	1982
1983	---	269.76 LE 13 JUL	267.59 LE 17 MAR	1983
1984	---	269.78 LE 20 OCT	267.86 LE 29 MAR	1984
1985	---	269.78 LE 19 MAI	267.85 LE 26 MAR	1985
1986	---	269.71 LE 7 AOU	267.86 LE 24 MAR	1986
1987	---	269.85 LE 8 JUN	267.80 LE 18 FEV	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

L'ASSOMPTION (RIVIERE) A CHARLEMAGNE - STATION NO. 0208004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1917	---	---	---	---	8.91	8.84	8.31	5.80	5.40	5.42	5.58	7.21	---	1917
1918	7.84	7.28	7.83	8.25	8.72	8.10	5.93	5.32	5.41	5.82	8.28	8.08	8.55	1918
1919	8.47	8.04	8.33	---	7.88	7.01	5.83	5.42	5.35	5.55	5.88	8.85	---	1919
1920	7.58	7.25	7.81	7.85	8.45	5.88	5.37	5.13	5.01	4.85	5.04	5.79	8.14	1920
1921	8.08	7.48	8.04	8.83	8.57	5.58	5.20	5.01	4.81	4.85	5.05	5.88	8.13	1921
1922	7.22	7.12	7.32	7.87	7.04	6.08	5.87	---	5.07	5.24	5.14	8.80	---	1922
1923	8.88	8.88	8.54	7.83	7.55	8.48	5.87	5.33	5.28	4.79	4.88	5.21	8.09	1923
1924	7.78	7.38	7.83	7.87	7.58	8.41	5.88	5.27	5.23	5.42	8.05	8.31	8.48	1924
1925	8.84	7.03	7.98	7.30	---	5.88	5.80	5.18	4.84	4.88	5.18	5.81	---	1925
1926	7.44	8.74	8.57	7.84	7.03	8.25	8.84	5.17	4.92	4.88	8.73	7.28	8.28	1926
1927	7.77	7.34	8.18	8.48	8.11	8.08	5.80	5.83	5.07	5.10	8.12	8.25	8.31	1927
1928	8.51	8.51	8.34	8.18	8.18	8.84	8.12	8.77	8.82	8.18	8.28	8.78	7.11	1928
1929	8.03	8.32	8.77	8.08	8.08	8.74	8.20	8.87	8.48	8.38	8.48	7.08	8.83	1929
1930	7.84	7.35	7.48	7.08	8.71	8.82	8.48	8.78	8.37	8.24	8.01	8.48	8.37	1930
1931	7.24	7.11	8.42	8.73	8.70	8.44	8.07	4.88	4.88	4.78	4.81	8.07	8.80	1931
1932	8.80	7.70	7.08	7.32	8.20	8.82	8.48	8.48	8.74	8.84	8.28	8.88	8.27	1932
1933	7.08	8.81	8.20	7.48	7.04	8.84	8.28	8.15	4.83	4.74	4.88	8.84	8.80	1933
1934	8.28	8.88	8.15	7.88	8.83	8.70	8.17	4.88	4.88	4.88	4.88	8.80	8.88	1934
1935	8.83	8.32	8.47	8.37	8.78	8.33	8.37	8.03	4.84	4.70	4.83	8.28	8.87	1935
1936	8.24	8.88	---	8.81	7.34	8.28	8.21	4.87	4.87	8.18	8.48	8.84	---	1936
1937	7.41	7.08	8.81	7.38	8.82	8.83	8.38	8.32	8.14	8.11	8.87	8.88	8.18	1937
1938	7.33	7.18	7.23	7.43	8.88	8.71	8.22	8.28	8.28	8.18	4.87	8.82	8.83	1938
1939	8.74	8.28	8.28	7.33	7.14	8.83	8.84	8.84	8.88	8.83	8.84	8.88	8.87	1939
1940	8.82	8.34	8.88	8.74	8.44	8.40	8.77	8.18	8.18	4.93	8.88	8.82	8.87	1940
1941	8.88	8.82	8.38	8.88	8.82	8.23	---	8.88	8.88	8.28	8.81	8.58	---	1941
1942	7.33	8.88	7.88	7.88	8.38	8.88	8.38	8.27	8.17	8.88	8.28	8.13	8.88	1942
1943	7.22	7.87	7.22	7.81	8.83	7.84	8.21	8.88	8.73	8.88	8.88	8.84	8.71	1943
1944	7.82	7.33	8.88	8.47	8.38	8.81	8.48	8.38	8.28	8.28	8.14	8.88	8.88	1944
1945	8.88	8.78	7.44	8.81	8.81	8.48	8.77	8.84	8.88	8.88	8.87	8.87	8.38	1945
1946	8.33	7.83	7.88	8.40	8.10	8.88	8.80	8.40	8.28	8.38	8.83	8.88	8.24	1946
1947	7.78	7.48	7.88	7.81	8.28	8.28	8.71	8.88	8.73	8.83	8.41	8.84	8.80	1947
1948	7.81	8.88	7.28	8.83	8.38	8.88	8.83	8.83	8.31	8.18	8.18	8.18	8.87	1948
1949	8.77	7.78	7.88	8.88	8.38	8.88	8.88	8.81	8.18	8.88	4.88	8.88	8.82	1949
1950	7.81	7.28	8.74	7.80	8.21	8.81	8.80	8.37	8.31	8.13	8.42	8.82	8.88	1950
1951	8.80	7.88	7.78	8.84	7.84	8.81	8.84	8.88	8.84	8.88	8.18	8.34	8.74	1951
1952	8.84	8.18	7.33	7.77	7.12	8.84	8.87	8.88	8.88	8.88	8.37	8.73	8.83	1952
1953	7.88	8.82	7.47	7.21	8.41	8.71	8.88	8.44	8.28	8.17	4.88	8.82	8.17	1953
1954	7.12	7.83	8.88	7.48	8.80	8.38	8.78	8.48	8.80	8.88	8.83	8.88	8.38	1954
1955	8.18	7.78	7.84	8.13	8.47	8.72	8.41	8.38	8.21	8.28	8.33	8.78	8.18	1955
1956	8.81	8.88	8.48	8.81	8.83	8.17	8.88	8.82	8.88	8.88	8.24	8.37	8.13	1956
1957	7.87	7.38	8.80	8.88	8.88	8.38	8.88	8.33	8.14	8.88	8.44	8.21	8.88	1957
1958	7.38	7.78	8.88	8.83	8.87	8.18	8.22	4.88	8.10	8.87	8.88	8.88	8.84	1958
1959	8.44	8.83	8.28	8.87	8.84	8.87	8.13	---	4.88	4.88	8.28	8.83	---	1959
1960	7.78	---	---	7.78	7.48	8.88	8.88	8.88	8.88	4.78	- -	---	---	1960
1961	---	8.78	8.28	8.28	8.88	8.88	8.88	8.33	8.28	8.17	4.87	8.17	---	1961
1962	8.77	8.88	8.88	8.38	8.88	4.88	4.82	4.88	4.72	---	---	---	---	1962
MOYEN	7.38	7.14	7.11	7.24	8.72	8.84	8.84	8.38	8.21	8.23	8.38	8.84	8.22	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 45 43 03
LONG 73 39 02

REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

L'ASSOMPTION (RIVIERE) A CHARLEMAGNE - STATION NO. 020B004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1917	---	---	---	1917
1918	---	10.18 LE 5 AVR	5.12 LE 21 AOU	1918
1919	---	---	---	1919
1920	---	9.80 LE 30 MAR	4.86 LE 23 OCT	1920
1921	---	9.20 LE 23 MAR	4.63 LE 18 SEP	1921
1922	---	---	---	1922
1923	---	8.69 LE 13 AVR	4.57 LE 20 OCT	1923
1924	---	9.75 LE 11 AVR	4.85 LE 8 NOV	1924
1925	---	---	---	1925
1926	---	9.33 LE 26 AVR	4.72 LE 17 OCT	1926
1927	---	9.42 LE 21 MAR	4.81 LE 25 SEP	1927
1928	---	11.13 LE 11 AVR *	5.33 LE 9 SEP	1928
1929	---	9.88 LE 24 MAR	5.09 LE 1 DEC	1929
1930	---	8.47 LE 10 JAN	4.83 LE 3 DEC	1930
1931	---	7.98 LE 13 JAN	4.72 LE 22 SEP	1931
1932	---	8.83 LE 13 AVR	5.30 LE 30 JUN	1932
1933	---	8.14 LE 11 AVR	4.42 LE 13 NOV	1933
1934	---	9.02 LE 14 AVR	4.30 LE 30 OCT	1934
1935	---	8.95 LE 8 JAN	4.45 LE 22 OCT	1935
1936	---	---	---	1936
1937	---	8.96 LE 9 AVR	4.85 LE 18 OCT	1937
1938	---	8.78 LE 29 MAR	4.75 LE 2 DEC	1938
1939	---	9.20 LE 24 AVR	4.82 LE 25 SEP	1939
1940	---	7.47 LE 21 DEC	4.75 LE 14 OCT	1940
1941	---	---	---	1941
1942	---	7.80 LE 25 DEC	4.88 LE 21 OCT	1942
1943	---	8.89 LE 27 DEC	5.39 LE 7 DEC	1943
1944	---	8.44 LE 1 JAN	4.94 LE 7 DEC	1944
1945	---	8.87 LE 27 DEC	5.36 LE 18 SEP	1945
1946	---	8.83 LE 12 JAN	5.12 LE 4 DEC	1946
1947	---	8.87 LE 13 AVR	5.18 LE 23 NOV	1947
1948	---	8.78 LE 28 MAR	4.81 LE 11 NOV	1948
1949	---	8.30 LE 31 MAR	4.72 LE 1 NOV	1949
1950	---	9.14 LE 8 AVR	4.87 LE 8 OCT	1950
1951	---	10.00 LE 3 AVR	5.38 LE 28 SEP	1951
1952	---	9.51 LE 13 JAN	5.18 LE 13 NOV	1952
1953	---	8.90 LE 19 JAN	4.85 LE 5 DEC	1953
1954	---	8.14 LE 18 JAN	5.03 LE 1 JAN	1954
1955	---	8.50 LE 1 AVR	3.89 LE 1 NOV *	1955
1956	---	8.56 LE 5 JAN	5.05 LE 14 NOV	1956
1957	---	9.93 LE 3 JAN	4.87 LE 21 AOU	1957
1958	---	9.56 LE 25 JAN	4.71 LE 20 AOU	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	7.74 LE 21 JAN	4.53 LE 9 SEP	1962

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

L'ASSOMPTION (RIVIERE) A L'ASSOMPTION - STATION NO. 020B005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1922	---	---	---	---	---	---	---	---	---	5.74	---	6.89	---	1922
1923	6.93	6.38	6.57	---	8.23	6.85	6.03	6.10	6.07	6.18	6.47	7.08	---	1923
1924	---	6.91	7.28	9.00	8.89	6.88	6.21	5.95	5.98	6.66	6.36	---	---	1924
1925	6.77	7.06	8.21	8.22	7.12	6.80	6.18	5.98	5.75	5.71	6.46	---	---	1925
1926	6.04	6.87	---	7.82	7.84	6.56	6.43	6.01	6.09	6.21	7.15	---	---	1926
1927	7.46	6.98	6.18	7.74	7.23	7.05	6.78	6.04	5.83	6.25	7.58	7.71	7.07	1927
1928	8.23	8.28	8.24	9.80	9.14	7.18	6.41	6.18	6.27	6.90	6.93	6.99	7.54	1928
1929	7.49	7.28	8.41	8.98	8.87	---	6.58	6.11	6.04	6.13	6.40	7.40	---	1929
1930	6.04	7.46	7.68	8.48	7.85	6.86	6.66	6.03	5.85	5.79	5.88	6.21	6.88	1930
1931	7.21	7.02	6.87	7.75	6.78	6.47	6.03	5.80	5.82	5.89	6.21	6.30	6.49	1931
1932	7.01	7.86	---	8.84	7.09	6.23	5.92	6.03	6.15	6.86	7.28	7.43	---	1932
1933	7.35	7.40	6.91	8.97	7.82	6.31	5.89	6.23	5.88	5.84	6.17	6.63	6.79	1933
1934	6.85	6.28	6.74	9.35	7.90	6.60	6.14	5.77	5.80	5.81	6.02	6.90	6.86	1934
1935	6.57	6.33	---	8.28	7.03	6.60	---	5.87	6.17	6.04	6.47	6.81	---	1935
1936	6.59	6.56	---	7.85	8.09	6.80	5.84	5.77	6.15	6.80	6.82	6.86	---	1936
1937	7.85	7.13	8.97	8.90	7.82	6.18	5.77	5.82	5.82	6.07	7.01	6.98	6.80	1937
1938	6.77	6.46	7.22	8.48	7.02	6.08	6.08	5.81	6.46	6.32	6.20	6.52	6.82	1938
1939	6.94	6.83	6.41	8.15	8.23	6.40	6.40	6.56	5.85	6.03	6.02	6.11	6.85	1939
1940	6.79	6.53	6.15	8.03	7.81	6.77	6.00	5.56	5.34	6.28	5.73	7.01	6.40	1940
1941	7.10	6.98	6.29	7.97	6.13	5.97	5.90	5.80	5.83	6.05	6.86	6.47	6.45	1941
1942	7.28	7.19	7.82	8.66	7.32	6.31	6.10	5.84	6.01	6.15	7.01	7.07	6.89	1942
1943	7.23	7.30	7.53	8.89	8.33	7.47	6.52	6.18	6.12	6.27	7.01	7.50	7.27	1943
1944	8.09	7.54	7.05	7.83	7.48	6.17	6.12	6.02	6.03	5.98	5.93	6.58	6.73	1944
1945	7.01	6.84	6.03	8.12	7.70	6.87	6.38	6.08	6.52	7.21	7.20	7.63	7.13	1945
1946	6.82	7.95	6.83	7.58	7.37	6.74	6.27	6.32	6.23	6.81	6.94	7.59	7.27	1946
1947	8.04	7.76	7.56	8.89	8.18	6.49	7.20	6.32	6.19	6.13	6.26	6.25	7.35	1947
1948	7.80	7.13	7.82	8.04	7.02	6.31	6.01	5.80	5.82	5.84	6.03	6.21	6.84	1948
1949	7.02	7.80	7.40	8.82	7.02	6.28	6.08	5.83	5.94	6.09	6.33	6.82	6.78	1949
1950	8.02	7.81	7.15	8.87	7.26	8.70	6.17	5.87	5.92	5.97	6.77	7.01	6.94	1950
1951	8.58	7.98	8.03	9.95	7.57	8.51	6.46	5.88	6.00	6.06	7.03	7.43	7.29	1951
1952	8.46	8.47	7.86	9.24	8.16	8.98	6.31	6.41	6.01	6.52	8.42	7.32	7.32	1952
1953	8.16	8.32	8.46	8.12	8.83	8.45	5.95	5.82	5.91	5.95	6.00	6.37	6.86	1953
1954	7.43	7.46	7.28	8.90	7.54	8.81	6.18	6.01	6.24	---	---	---	---	1954
MOYEN	7.40	7.21	7.43	8.53	7.69	6.84	6.23	6.01	6.00	6.17	6.55	6.88	6.91	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 49 31
LONG 73 25 23 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

L'ASSOMPTION (RIVIERE) A L'ASSOMPTION - STATION NO. 0208006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1922	---	---	---	
1923	---	---	---	1922
1924	---	---	---	1923
				1924
1925	---	---	---	
1926	---	---	---	1925
1927	---	---	---	1926
1928	---	10.49 LE 18 NOV	5.67 LE 16 SEP	1927
1929	---	11.86 LE 10 AVR *	5.82 LE 10 SEP	1928
		---	---	1929
1930	---	10.39 LE 8 AVR	5.70 LE 5 OCT	1930
1931	---	9.05 LE 1 AVR	5.84 LE 5 SEP	1931
1932	---	---	---	1932
1933	---	11.22 LE 10 AVR	5.73 LE 18 SEP	1933
1934	---	11.31 LE 12 AVR	5.55 LE 3 SEP	1934
1935	---	---	---	
1936	---	---	---	1935
1937	---	---	---	1936
1938	---	10.27 LE 17 AVR	5.30 LE 6 SEP	1937
1939	---	9.81 LE 26 MAR	5.81 LE 24 JUN	1938
		11.70 LE 24 AVR	5.58 LE 30 NOV	1939
1940	---	10.70 LE 18 AVR	5.06 LE 14 OCT	1940
1941	---	8.56 LE 16 AVR	5.46 LE 15 MAR	1941
1942	---	9.78 LE 26 AVR	5.76 LE 8 SEP	1942
1943	---	10.45 LE 13 MAI	5.82 LE 4 AOU	1943
1944	---	9.17 LE 25 AVR	5.79 LE 27 AOU	1944
1945	---	10.97 LE 1 AVR	5.88 LE 25 AOU	1945
1946	---	10.21 LE 27 MAR	6.10 LE 1 AOU	1946
1947	---	11.00 LE 11 AVR	5.88 LE 29 OCT	1947
1948	---	9.42 LE 25 MAR	5.73 LE 28 SEP	1948
1949	---	9.85 LE 4 AVR	5.76 LE 9 AOU	1949
1950	---	9.75 LE 5 AVR	5.73 LE 3 OCT	1950
1951	---	11.43 LE 6 AVR	5.91 LE 16 AOU	1951
1952	---	10.08 LE 11 AVR	0.58 LE 11 SEP *	1952
1953	---	11.84 LE 27 MAR	5.76 LE 23 AOU	1953
1954	---	10.82 LE 17 AVR	5.91 LE 28 AOU	1954

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1926	---	---	---	---	---	---	---	---	---	20.31	---	---	---	1926
1927	---	---	---	---	---	21.17	21.05	21.11	21.14	21.23	21.18	21.00	---	1927
1928	20.85	20.14	20.04	---	21.12	21.32	21.38	20.89	21.31	21.46	21.36	21.22	---	1928
1929	20.91	20.54	20.18	20.23	20.58	21.34	21.47	21.08	21.03	21.30	21.53	21.21	20.95	1929
1930	20.88	20.55	20.25	20.38	20.88	21.30	21.32	21.11	20.89	20.88	20.85	20.43	20.77	1930
1931	20.21	20.00	19.95	20.12	20.31	20.54	20.36	20.18	20.03	20.17	20.65	20.83	20.28	1931
1932	20.75	20.50	20.18	20.34	20.26	20.44	20.61	20.87	21.20	21.44	21.38	21.18	20.78	1932
1933	20.85	20.48	20.25	20.55	20.80	21.22	20.91	20.81	20.37	20.22	20.14	20.08	20.55	1933
1934	20.01	19.92	19.95	20.42	21.18	21.43	21.37	21.08	20.89	21.34	21.44	21.48	20.89	1934
1935	21.21	20.82	20.38	20.30	20.84	20.82	20.75	20.81	20.30	20.18	20.33	20.24	20.56	1935
1936	20.09	20.02	20.20	20.36	21.08	21.43	21.25	20.95	20.85	20.89	20.85	20.56	20.66	1936
1937	20.41	20.22	20.30	20.58	21.21	21.36	21.26	21.22	20.95	21.06	21.31	21.28	20.84	1937
1938	21.03	20.71	20.40	20.75	21.24	21.30	21.19	21.31	21.23	21.14	21.18	21.17	21.06	1938
1939	21.05	20.66	20.57	20.27	21.19	21.38	21.52	21.23	21.10	21.08	21.26	21.08	21.05	1939
1940	---	20.38	20.06	20.04	20.89	21.45	21.35	21.07	21.14	21.10	21.11	21.03	---	1940
1941	20.83	20.60	20.49	20.81	21.28	21.20	21.16	21.04	21.33	21.42	21.42	21.39	21.08	1941
1942	21.28	20.89	20.82	21.20	21.46	21.37	21.14	20.95	20.88	21.27	21.30	21.18	21.13	1942
1943	21.05	20.75	20.45	20.35	21.10	21.46	21.38	21.21	21.08	20.95	20.88	20.86	20.96	1943
1944	20.81	20.81	20.44	20.46	21.35	21.43	21.16	21.24	21.28	21.43	21.37	21.28	21.06	1944
1945	21.12	20.81	20.76	21.35	21.54	21.80	21.52	21.38	21.28	21.30	21.45	21.36	21.29	1945
1946	21.22	20.96	20.77	20.86	21.43	21.50	21.35	21.07	20.98	20.84	20.85	20.82	21.05	1946
1947	20.86	20.56	20.41	20.35	21.22	21.74	21.46	21.20	21.07	21.00	20.76	20.85	20.93	1947
1948	20.42	20.15	20.08	20.36	21.18	21.41	21.25	21.08	20.81	20.83	20.65	20.45	20.70	1948
1949	20.33	20.23	20.21	20.64	21.27	21.63	21.67	21.27	21.07	20.91	20.77	20.86	20.87	1949
1950	20.44	20.28	20.25	20.85	21.00	21.83	21.84	21.30	21.08	20.87	21.10	21.27	20.95	1950
1951	21.15	20.78	20.82	20.87	21.45	21.46	21.46	21.19	20.95	20.90	21.21	21.42	21.12	1951
1952	21.34	21.08	20.86	20.72	21.48	21.80	21.82	21.63	21.33	21.20	21.20	21.36	21.28	1952
1953	21.24	20.85	20.84	21.16	21.46	21.38	---	20.85	20.78	20.81	20.82	20.89	---	1953
1954	20.73	20.53	---	20.62	21.20	21.49	21.50	21.45	21.27	21.87	21.05	21.41	---	1954
1955	21.15	20.86	20.81	20.91	21.23	21.12	20.88	20.85	20.46	20.58	20.76	20.77	20.88	1955
1956	20.80	20.60	20.42	20.67	21.15	21.61	21.40	21.28	21.04	21.05	20.21	20.84	20.84	1956
1957	20.78	20.73	20.67	20.74	21.01	21.10	21.67	21.33	21.13	20.89	21.01	21.12	21.03	1957
1958	21.08	21.02	20.89	20.84	20.81	21.23	21.42	21.30	21.38	21.40	21.38	21.32	21.16	1958
1959	21.22	21.02	20.83	20.77	21.20	21.44	21.22	20.83	20.87	20.83	21.20	21.14	21.05	1959
1960	20.88	20.56	---	20.65	21.77	21.82	21.56	---	21.31	21.18	21.18	21.15	---	1960
1961	21.00	20.83	20.37	20.81	20.84	21.28	21.28	21.08	21.28	21.30	21.80	21.63	21.05	1961
1962	21.31	20.83	20.35	20.34	21.23	21.46	21.13	21.04	21.22	21.11	20.81	20.57	20.95	1962
1963	20.38	20.22	20.13	20.37	20.60	20.76	20.88	20.72	20.62	20.44	20.28	20.35	20.48	1963
1964	20.20	20.20	20.28	20.84	21.32	21.81	21.35	20.93	20.78	20.84	20.88	20.87	20.81	1964
1965	20.36	20.35	20.30	20.81	20.97	21.40	21.21	21.05	21.18	21.87	21.38	21.04	20.84	1965
1966	20.72	20.40	20.21	20.46	20.86	21.37	21.26	21.04	20.80	21.20	21.80	21.58	20.87	1966
1967	21.28	20.78	20.33	20.71	21.68	21.48	21.26	21.14	20.93	20.98	21.38	21.17	21.08	1967
1968	20.81	20.44	20.30	20.76	21.25	21.20	21.37	21.27	21.12	21.17	21.11	20.63	20.87	1968
1969	20.55	20.30	20.23	20.82	21.24	21.68	21.41	21.41	21.45	21.58	21.68	21.48	21.11	1969
1970	21.11	20.70	20.25	20.36	20.70	21.28	21.32	21.18	21.00	20.80	20.71	20.58	20.64	1970
1971	20.38	20.17	20.20	20.38	20.78	20.82	20.64	20.43	20.48	20.48	20.87	20.58	20.50	1971
1972	20.48	20.25	20.28	20.43	20.88	21.12	21.13	20.91	20.74	20.82	20.83	20.58	20.68	1972
1973	20.33	20.18	20.31	20.42	21.30	21.37	21.21	20.97	21.01	20.88	---	---	---	1973
MOYEN	20.78	20.53	20.37	20.56	21.11	21.32	21.26	21.06	20.95	21.00	21.05	20.98	20.81	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 243.840 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 48 23
LONG 78 13 35 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LA SARRE (RIVIERE) PRES DE LA SARRE - STATION NO. 04MA003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1926	---	---	---	1926
1927	---	---	---	1927
1928	---	---	---	1928
1929	---	21.75 LE 28 OCT	20.12 LE 18 MAR	1929
1930	---	21.45 LE 11 JUL	20.17 LE 1 AVR	1930
1931	---	21.29 LE 25 NOV	19.85 LE 19 MAR	1931
1932	---	21.63 LE 21 OCT	20.01 LE 1 MAI	1932
1933	---	21.36 LE 11 JUN	20.05 LE 31 OCT	1933
1934	---	21.97 LE 29 OCT	19.88 LE 9 MAR *	1934
1935	---	21.37 LE 1 JAN	19.88 LE 5 OCT	1935
1936	---	21.56 LE 29 MAI	19.89 LE 14 FEV	1936
1937	---	21.57 LE 14 OCT	20.17 LE 18 FEV	1937
1938	---	21.50 LE 14 NOV	20.35 LE 24 MAR	1938
1939	---	21.81 LE 14 JUL	20.14 LE 18 AVR	1939
1940	---	---	---	1940
1941	---	21.84 LE 7 SEP	20.49 LE 4 MAR	1941
1942	---	21.88 LE 8 NOV	20.58 LE 20 MAR	1942
1943	---	21.57 LE 5 JUN	20.28 LE 5 AVR	1943
1944	---	21.63 LE 8 JUN	20.30 LE 7 AVR	1944
1945	---	21.92 LE 29 MAI	20.81 LE 11 MAR	1945
1946	---	21.92 LE 25 MAI	20.87 LE 1 AVR	1946
1947	---	22.09 LE 27 MAI	20.29 LE 14 AVR	1947
1948	---	21.62 LE 4 JUN	20.03 LE 13 MAR	1948
1949	---	21.78 LE 27 JUN	20.17 LE 8 MAR	1949
1950	---	21.75 LE 14 JUL	20.24 LE 2 MAR	1950
1951	---	21.87 LE 28 JUN	20.48 LE 19 MAR	1951
1952	---	21.81 LE 9 JUN	20.23 LE 2 AVR	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	21.48 LE 8 MAI	20.35 LE 17 SEP	1955
1956	---	21.84 LE 13 JUN	20.37 LE 4 AVR	1956
1957	---	22.09 LE 30 JUN	20.55 LE 16 AVR	1957
1958	---	21.87 LE 12 JUL	20.53 LE 24 AVR	1958
1959	---	21.72 LE 25 MAI	20.89 LE 17 AVR	1959
1960	---	---	---	1960
1961	---	25.48 LE 2 JAN *	20.25 LE 27 MAR	1961
1962	---	21.86 LE 2 JUN	20.22 LE 27 MAR	1962
1963	---	21.23 LE 18 AVR	20.07 LE 15 MAR	1963
1964	---	21.85 LE 18 JUN	20.16 LE 18 JAN	1964
1965	---	21.86 LE 4 OCT	20.21 LE 7 FEV	1965
1966	---	21.85 LE 9 DEC	20.17 LE 11 MAR	1966
1967	---	21.95 LE 17 MAI	20.31 LE 18 MAR	1967
1968	---	21.80 LE 19 JUL	20.22 LE 3 MAR	1968
1969	---	21.83 LE 14 OCT	20.21 LE 2 MAR	1969
1970	---	21.42 LE 25 JUN	20.09 LE 28 MAR	1970
1971	---	21.02 LE 21 MAI	20.13 LE 20 FEV	1971
1972	---	21.35 LE 9 OCT	20.21 LE 18 FEV	1972
1973	---	21.58 LE 14 JUN	20.18 LE 20 FEV	1973

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 243.840 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LAC AU SAUMON - STATION NO. 01BD005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	---	---	---	---	---	---	---	23.11	23.08	23.08	---	---	---	1968
MOYEN	---	---	---	---	---	---	---	23.11	23.08	23.08	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 25 18 BASSIN VERSANT, 1 210 km²
LONG 67 19 27 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LAC DES ILES (RIVIERE DU) AU LAC DES ILES - STATION NO. 03LE021

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1962	---	---	---	---	---	---	---	---	24.80	24.88	24.92	24.98	---	1962
1963	24.98	24.98	---	25.02	---	24.83	---	24.84	24.79	24.81	24.88	---	---	1963
1964	---	24.97	24.88	---	24.88	24.88	24.81	24.71	24.84	24.84	24.80	24.87	---	1964
1965	24.80	24.81	24.79	24.83	25.08	24.92	24.83	24.90	25.03	---	25.00	24.87	---	1965
1966	24.98	24.83	24.79	24.87	24.98	---	---	---	---	---	---	---	---	1966
MOYEN	24.92	24.90	24.85	24.97	25.01	24.87	24.82	24.75	24.82	24.77	24.85	24.80	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 24 22
LONG 75 31 48 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LAC DES ILES (RIVIERE DU) AU LAC DES ILES - STATION NO. 02LE021

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	25.07 LE 24 AVR *	24.70 LE 1 MAR *	1986

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LAFLAMME (LAC) A LA FORET DE MONTMORENCY - STATION NO. 02PD017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1981	0.395	0.437	0.417	0.484	0.498	0.453	0.438	0.452	0.420	0.428	0.418	0.404	0.438	1981
1982	0.410	0.398	0.384	0.395	0.484	0.418	0.427	0.417	0.437	0.414	0.444	0.428	0.420	1982
1983	0.418	0.412	0.404	0.431	0.518	0.443	0.422	0.413	0.424	0.438	0.427	0.422	0.431	1983
1984	0.417	0.388	0.408	0.417	0.504	0.438	0.421	0.409	0.412	0.418	0.421	0.408	0.422	1984
1985	0.408	0.414	0.408	0.414	0.511	0.457	0.442	0.403	0.382	0.430	0.420	0.408	0.428	1985
1986	0.407	0.395	0.415	0.480	0.502	0.454	0.447	0.423	0.418	0.433	0.423	0.408	0.432	1986
1987	0.390	0.378	0.378	0.483	0.478	0.415	0.431	0.408	0.414	0.438	0.448	0.413	0.423	1987
MOYEN	0.406	0.402	0.402	0.438	0.498	0.440	0.433	0.418	0.417	0.428	0.429	0.413	0.427	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 19 25 BASSIN VERSANT, 0.89 km²
LONG 71 07 36 DEBIT NATUREL

LAFLAMME (LAC) A LA FORET DE MONTMORENCY - STATION NO. 02PD017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1981	---	0.520 LE 12 MAI	0.367E LE 5 JAN	1981
1982	0.671 LE 10 MAI A 2240 HNE	0.504 LE 9 MAI	0.371 LE 12 AVR	1982
1983	0.693 LE 9 MAI A 0345 HNE	0.551 LE 9 MAI	0.382 LE 16 MAR	1983
1984	0.701 LE 23 MAI A 1809 HNE *	0.523 LE 24 MAI	0.372 LE 21 FEV	1984
1985	0.638 LE 14 MAI A 1129 HNE	0.514 LE 19 MAI	0.378E LE 27 MAR	1985
1986	---	0.540E LE 1 MAI	0.383E LE 3 MAR	1986
1987	---	---	0.389 LE 5 FEV *	1987

PLAN DE REFRENCE - ARBITRAIRE

E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LIEVRE (RIVIERE DU) - STATION NO. 02LF004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	6.85	---	---	6.46	6.15	6.80	6.75	6.88	6.75	7.11	7.03	---	---	1965
1966	---	---	---	---	---	---	6.78	6.85	6.78	6.86	6.89	---	---	1966
1967	---	---	---	6.89	7.14	7.10	6.85	6.84	6.96	7.08	7.04	6.91	---	1967
1968	6.96	7.04	7.00	6.94	7.03	6.90	6.85	6.83	6.93	6.85	6.87	6.97	6.94	1968
1969	6.95	6.73	6.80	6.59	6.85	6.85	6.89	6.80	6.78	6.74	6.89	6.87	6.81	1969
1970	6.88	6.84	6.95	6.81	7.29	7.04	7.05	---	---	---	6.83	6.96	---	1970
1971	6.96	6.98	6.87	6.74	7.01	6.86	6.78	7.05	7.01	6.86	7.02	6.99	6.86	1971
1972	6.90	7.05	7.02	6.82	7.15	7.23	7.20	7.04	7.12	7.03	7.19	7.12	7.08	1972
1973	7.08	6.98	6.99	7.03	7.15	7.11	7.03	7.11	6.98	7.01	7.06	6.98	7.04	1973
1974	7.07	7.09	7.04	---	---	---	---	---	---	---	---	---	---	1974
1976	---	---	---	7.37	---	---	---	---	---	---	---	---	---	1976
MOYEN	6.96	6.96	6.95	6.84	6.97	6.96	6.83	6.84	6.91	6.87	6.99	6.97	6.96	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 182.880 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 05 15 DONNEES FOURNIES PAR -
LONG 75 37 23 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LIEVRE (RIVIERE DU) - STATION NO. 02LF004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	7.34 LE 29 AVR	6.42 LE 31 AOU	1969
		7.33 LE 20 MAI	6.20 LE 24 AVR *	
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	7.31 LE 16 MAI	6.43 LE 15 AVR	1972
1973	---	7.61 LE 26 JUN *	6.41 LE 24 AVR	1973
1974	---	7.37 LE 13 JUN	6.68 LE 15 FEV	1974
		---	---	
1976	---	---	---	1976

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 182.660 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LIEVRE (RIVIERE DU) A FERME ROUGE - STATION NO. 02LE003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	---	---	---	19.39	---	18.85	18.51	18.31	18.35	18.51	19.31	---	1964
1965	19.52	19.07	18.90	18.25	19.36	19.06	18.55	18.81	18.80	18.48	19.24	19.14	19.05	1965
1966	19.12	18.97	19.33	19.70	19.52	19.37	18.85	---	---	---	---	---	---	1966
MOYEN	19.32	19.02	19.12	18.48	19.42	19.17	18.78	18.66	18.56	18.91	18.88	19.23	19.06	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 25 37
LONG 75 25 40
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LIEVRE (RIVIERE DU) A FERME ROUGE - STATION NO. 02LE003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	19.61 LE 11 JAN *	18.15 LE 20 SEP *	1965
1966	---	---	---	1966

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LIEVRE (RIVIERE DU) AU LAC DU POISSON BLANC - STATION NO. 02LF002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	194.68R	194.53R	194.18R	196.70R	201.05R	201.12R	200.44R	199.88R	199.61R	198.83R	197.80R	196.61R	198.12R	1963
1964	198.24R	197.00R	194.93R	195.54R	200.99R	201.88R	201.62R	200.32R	199.10R	197.11R	196.38R	195.38R	198.11R	1964
1965	197.54R	197.27R	195.25R	194.54R	199.18R	201.38R	200.83R	200.80R	201.21R	201.98R	201.50R	201.38R	199.40R	1965
1966	200.63R	198.85R	196.68R	196.41R	200.09R	201.48R	201.28R	200.98R	200.04R	198.02R	197.98R	200.18R	199.40R	1966
1967	200.71R	199.26R	196.64R	197.31R	201.33R	201.50R	201.62R	201.00R	200.57R	201.38R	201.88R	201.08R	200.35R	1967
1968	199.72R	198.13R	196.36R	199.57R	201.58R	201.59R	201.46R	200.55R	199.02R	197.74R	196.29R	195.97R	199.00R	1968
1969	198.36R	196.60R	195.80R	196.78R	201.29R	201.60R	201.29R	200.58R	199.13R	197.28R	197.88R	199.14R	198.64R	1969
1970	198.56R	198.69R	196.32R	195.43R	201.17R	201.71R	201.42R	201.00R	199.77R	198.87R	198.48R	198.91R	198.28R	1970
1971	198.99R	198.04R	196.21R	194.80R	200.62R	201.72R	201.11R	199.48R	197.84R	196.90R	198.57R	197.33R	198.33R	1971
1972	198.54R	198.31R	196.81R	194.64R	200.62R	201.85R	201.73R	201.71R	201.24R	201.00R	200.97R	199.27R	199.73R	1972
1973	198.22R	197.71R	---	196.92R	201.58R	201.80R	201.67R	201.69R	201.45R	200.53R	199.52R	198.67R	---	1973
1974	199.99R	199.36R	196.97R	195.97R	201.67R	201.84R	201.41R	200.52R	---	---	199.91R	200.85R	---	1974
1975	198.62R	197.78R	195.52R	194.46R	199.43R	201.31R	200.34R	198.54R	198.11R	198.08R	198.05R	198.55R	198.32R	1975
1976	198.70R	198.03R	196.88R	199.14R	201.60R	201.43R	---	---	---	198.97R	198.41R	197.27R	---	1976
1977	198.58R	198.12R	196.99R	198.18R	201.27R	201.07R	201.05R	200.10R	198.72R	197.34R	197.11R	198.13R	198.49R	1977
1978	198.05R	197.49R	---	194.38R	---	---	---	---	---	194.97R	195.07R	195.68R	---	1978
1979	195.95R	---	---	197.88R	201.31R	201.45R	200.69R	200.15R	200.00R	200.68R	201.01R	201.13R	---	1979
1980	198.84R	197.35R	---	197.28R	201.22R	201.32R	200.28R	200.23R	200.05R	201.08R	201.30R	---	---	1980
1981	---	196.62R	198.49R	200.63R	201.78R	201.56R	200.81R	200.03R	199.22R	198.22R	197.44R	196.73R	---	1981
1982	196.01R	195.64R	---	---	---	201.07R	200.37R	---	---	---	---	---	---	1982
1983	---	---	196.25R	196.47R	201.41R	201.88R	200.85R	199.78R	199.84R	198.70R	198.09R	197.85R	---	1983
1984	196.98R	195.49R	194.40R	195.83R	201.03R	201.88R	201.52R	201.19R	200.18R	198.99R	199.14R	200.12R	198.95R	1984
1985	198.55	197.26	194.43	195.04	201.33	201.10	200.59	200.74	199.77	199.47R	199.09R	198.70R	198.95R	1985
1986	197.78	195.93	194.29	196.06	201.38	201.70	201.04	200.82	200.48R	---	199.12R	---	---	1986
1987	---	195.84	194.59	196.19	196.81	199.75	200.53	200.49	199.83	---	---	---	---	1987
MOYEN	198.28R	197.27R	195.75R	196.79R	200.85R	201.43R	201.03R	200.48R	199.75R	198.85R	198.59R	198.85R	198.93R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 08 08
LONG 75 38 55
BASSIN VERSANT, 7 870 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

LIEVRE (RIVIERE DU) AU LAC DU POISSON BLANC - STATION NO. 02LF002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	201.61R LE 29 MAI	193.92R LE 24 MAR	1983
1984	---	201.78R LE 12 JUL	192.99R LE 8 AVR	1984
1985	---	201.75R LE 9 OCT	192.72R LE 7 AVR *	1985
1986	---	201.82R LE 3 JUN	195.43R LE 10 AVR	1986
1987	---	201.88R LE 24 OCT	195.01R LE 1 AVR	1987
1988	---	201.72R LE 30 AVR	195.84R LE 12 DEC	1988
1989	---	201.82R LE 16 MAI	195.28R LE 8 AVR	1989
1970	---	201.85R LE 9 JUN	194.15R LE 12 AVR	1970
1971	---	201.80R LE 13 JUN	193.47R LE 13 AVR	1971
1972	---	202.00R LE 25 JUN *	193.86R LE 19 AVR	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	201.43R LE 11 JUN	193.83R LE 14 AVR	1975
1976	---	---	---	1976
1977	---	201.58R LE 15 MAI	195.84R LE 13 MAR	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	201.78R LE 4 JUN	193.43R LE 8 AVR	1984
1985	---	201.88 LE 16 MAI	193.84 LE 15 AVR	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

LIEVRE (RIVIERE DU) EN AVAL DE LA CENTRALE DE BUCKINGHAM - STATION NO. 02LF018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1974	20.02R	20.03R	20.05R	20.20R	---	20.80R	20.13R	19.87R	---	19.93R	19.94R	19.87R	---	1974
1975	19.89R	20.02R	20.09R	20.26R	20.10R	19.88R	19.88R	20.13R	---	20.01R	19.88R	19.93R	---	1975
1976	19.82R	20.07R	20.12R	20.68R	20.56R	20.03R	20.09R	19.98R	19.85R	20.05R	19.85R	19.85R	20.11R	1976
1977	---	19.96R	20.00R	20.32R	20.02R	19.88R	19.83R	20.03R	20.09R	19.88R	---	20.01R	---	1977
1978	20.05R	20.08R	20.00R	20.17R	20.07R	19.87R	19.84R	20.06R	19.88R	20.09R	20.00R	19.90R	20.02R	1978
1979	19.81R	19.92R	20.02R	20.17R	20.32R	19.87R	20.13R	19.89R	19.85R	20.03R	20.13R	20.11R	20.05R	1979
1980	20.16R	20.20R	20.17R	20.17R	20.15R	20.10R	20.08R	20.11R	20.12R	20.20R	20.22R	20.18R	20.18R	1980
1981	20.19R	20.35R	20.28R	20.78R	20.59R	20.39R	20.20R	20.07R	20.11R	20.11R	20.08R	20.18R	20.28R	1981
1982	20.12R	20.09R	20.09R	20.16R	20.14R	20.11R	20.08R	20.20R	20.22R	20.24R	20.27R	20.36R	20.17R	1982
1983	20.36R	20.36R	20.36R	20.30R	20.94R	20.61R	20.25R	20.27R	20.22R	20.24R	20.27R	20.30R	20.37R	1983
1984	20.26R	---	20.37R	20.51R	20.30R	20.26R	20.33R	20.18R	20.27R	20.26R	20.26R	---	---	1984
1985	20.36R	20.35R	---	20.48R	20.38R	20.21R	---	20.24R	20.22R	20.27R	20.34R	20.40R	---	1985
1986	20.37R	20.39R	---	20.58R	20.60R	20.39R	20.32R	20.33R	20.39R	20.35R	---	20.39R	---	1986
1987	20.39	20.41	20.47	20.42	20.33	20.30	20.26	20.24	20.26	20.30	20.33	---	---	1987
MOYEN	20.17R	20.17R	20.17R	20.37R	20.35R	20.23R	20.13R	20.13R	20.15R	20.15R	20.15R	20.14R	20.17R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 99.285 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 35 23 LONG 75 25 23 — BASSIN VERSANT, 9 560 km² — REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1988

LIEVRE (RIVIERE DU) EN AVAL DE LA CENTRALE DE BUCKINGHAM - STATION NO. 02LF018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	21.03R LE 1 AVR *	19.87R LE 4 JAN	1976
1977	---	---	---	1977
1978	---	20.70R LE 14 FEV	19.81R LE 2 JUL *	1978
1979	---	20.82R LE 1 MAI	19.87R LE 21 JAN	1979
1980	---	20.78R LE 22 MAI	20.03R LE 13 JAN	1980
1981	---	21.03R LE 20 AVR	19.80R LE 27 NOV	1981
1982	---	20.82R LE 19 AVR	19.81R LE 3 AVR	1982
1983	---	21.03R LE 21 FEV	20.12R LE 31 OCT	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 99.285 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

LIEVRE (RIVIERE DU) EN AVAL DE LA RIVIERE KIAMIKA - STATION NO. 02LE011

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1941	---	---	---	---	18.56	18.84	18.47	17.92	17.56	18.08	18.18	18.89	---	1941
1942	---	---	---	18.32	19.12	18.82	18.21	17.44	17.33	17.38	18.04	17.72	---	1942
1943	---	---	---	18.35	19.46	18.96	18.43	17.89	17.42	17.34	17.43	17.86	---	1943
1944	---	---	---	17.46	18.39	17.51	17.53	17.43	17.36	17.48	17.75	17.86	---	1944
1945	---	---	---	18.77	18.56	18.67	18.15	17.31	17.32	17.33	17.52	17.49	---	1945
1946	---	---	---	18.08	18.99	18.70	18.38	17.41	17.28	17.56	17.97	17.88	---	1946
1947	---	---	17.13	18.53	20.11	19.36	18.37	17.87	17.38	17.36	18.99	17.10	---	1947
1948	---	---	17.10	18.14	18.43	18.13	18.21	17.74	16.86	---	---	---	---	1948
1949	---	---	---	---	18.87	18.78	18.59	17.45	16.91	17.28	17.78	17.76	---	1949
1950	18.01	17.48	17.28	18.06	18.82	19.22	18.78	18.43	17.80	17.12	17.80	18.04	18.06	1950
1951	18.00	17.64	17.32	19.12	19.14	18.92	18.87	17.91	17.28	17.72	18.38	18.83	18.25	1951
1952	18.40	17.89	17.54	18.38	19.36	19.22	19.01	18.07	16.81	18.03	17.54	18.40	18.44	1952
1953	18.53	17.83	17.70	19.31	19.01	18.32	17.64	17.00	17.38	17.83	17.85	17.42	17.98	1953
1954	17.37	17.30	17.60	18.37	18.98	19.14	18.52	17.55	17.42	18.32	18.47	18.47	18.14	1954
1955	17.95	17.74	17.70	18.87	19.05	18.51	17.85	17.04	17.24	17.80	17.78	17.71	17.82	1955
1956	17.73	17.81	17.44	17.94	18.41	18.98	18.98	18.50	18.65	18.76	18.54	18.00	18.30	1956
1957	17.44	17.57	17.84	17.80	18.01	18.10	18.95	18.46	18.62	18.87	19.06	18.87	18.26	1957
1958	18.61	17.81	17.89	18.30	18.01	19.02	18.87	18.57	18.75	18.23	18.77	18.17	18.57	1958
1959	17.88	18.01	17.95	18.23	18.87	18.95	18.62	17.90	18.09	17.94	18.82	18.54	18.30	1959
1960	17.88	17.78	17.43	18.44	19.27	18.82	18.58	18.12	17.42	17.03	17.57	17.42	17.98	1960
1961	17.81	17.62	17.82	17.84	18.89	18.81	18.96	18.97	18.82	18.04	17.07	17.55	18.20	1961
1962	17.80	17.78	17.85	18.11	18.97	18.95	18.27	18.92	18.96	17.25	17.42	17.28	17.78	1962
1963	17.81	17.78	17.48	17.97	18.72	18.39	17.78	17.31	17.34	18.97	17.38	17.89	17.72	1963
1964	17.81	17.26	17.42	18.08	18.85	18.98	18.70	17.89	17.05	17.11	17.47	18.21	17.85	1964
1965	17.90	17.43	18.86	17.84	18.41	18.89	18.10	18.27	18.47	19.10	18.82	18.85	18.21	1965
1966	18.28	17.86	17.83	18.21	18.84	18.88	18.53	18.31	17.46	17.43	18.15	18.38	18.18	1966
1967	18.28	17.75	17.84	18.53	19.07	18.87	18.82	18.22	17.97	18.83	19.12	18.80	18.48	1967
1968	17.89	17.83	17.82	18.98	18.89	18.82	18.88	17.81	17.06	17.26	17.61	18.03	18.05	1968
1969	18.18	17.98	17.86	17.78	18.83	18.82	18.88	17.77	17.20	17.82	18.10	18.20	18.08	1969
1970	18.18	17.87	17.43	18.15	19.45	19.02	18.80	18.22	17.44	17.88	17.73	17.86	18.15	1970
1971	17.90	17.80	17.76	17.80	19.07	18.80	18.28	18.98	17.02	17.28	17.57	17.83	17.85	1971
1972	18.13	17.71	17.14	17.27	18.42	19.20	19.12	18.99	18.84	18.59	18.41	17.82	18.37	1972
1973	17.85	17.82	17.85	18.27	19.07	19.04	18.87	19.08	18.72	17.83	---	---	---	1973
MOYEN	17.95	17.70	17.63	18.23	18.92	18.79	18.50	17.92	17.67	17.78	17.99	18.02	18.13	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 21 45
LONG 78 38 58

REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LIEVRE (RIVIERE DU) EN AVAL DE LA RIVIERE KIAMIKA - STATION NO. 02LE011

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	19.82 LE 5 JUN	16.86 LE 11 OCT	1950
1951	---	19.69 LE 17 AVR	17.22 LE 7 SEP	1951
1952	---	19.76 LE 23 MAI	17.32 LE 20 NOV	1952
1953	---	19.64 LE 5 AVR	16.83 LE 15 AOU	1953
1954	---	19.46 LE 12 JUN	17.24 LE 19 FEV	1954
1955	---	19.74 LE 22 AVR	16.87 LE 26 AOU	1955
1956	---	19.07 LE 15 JUL	17.21 LE 3 AVR	1956
1957	---	19.22 LE 28 SEP	17.31 LE 10 JAN	1957
1958	---	19.46 LE 16 OCT	17.33 LE 21 FEV	1958
1959	---	19.30 LE 29 NOV	17.50 LE 22 JAN	1959
1960	---	19.62 LE 17 MAI	16.81 LE 17 OCT	1960
1961	---	19.28 LE 19 MAI	16.91 LE 16 NOV	1961
1962	---	19.28 LE 6 MAI	16.83 LE 20 AOU	1962
1963	---	18.89 LE 29 MAI	16.81 LE 24 OCT	1963
1964	---	19.18 LE 14 JUN	16.84 LE 10 SEP	1964
1965	---	19.28 LE 26 OCT	16.77 LE 29 MAR	1965
1966	---	19.12 LE 26 MAI	17.01 LE 29 SEP	1966
1967	---	19.84 LE 23 OCT	17.55 LE 26 MAR	1967
1968	---	18.88 LE 18 AVR	16.84 LE 20 OCT	1968
1969	---	19.46 LE 21 MAI	16.85 LE 5 AVR	1969
1970	---	20.28 LE 5 MAI *	17.18 LE 24 SEP	1970
1971	---	19.21 LE 18 MAI	16.51 LE 21 AOU *	1971
1972	---	19.90 LE 19 MAI	16.88 LE 11 AVR	1972
1973	---	---	---	1973

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LONG (LAC) PRES DE LES ETROITS - STATION NO. 01AD008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	---	---	197.21	---	197.81	197.49	---	197.49	197.59	197.63	197.68	197.83	---	1972
1973	197.86	---	---	198.01	---	197.74	197.49	197.48	197.41	197.40	197.41	197.85	---	1973
1974	197.81	197.80	197.83	197.88	198.31	197.89	---	---	---	---	---	---	---	1974
MOYEN	197.89	197.80	197.37	197.85	198.11	197.84	197.49	197.49	197.50	197.52	197.55	197.89	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 23 27 BASSIN VERSANT, 108 km²
LONG 88 53 54 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LONG (LAC) PRES DE LES ETROITS - STATION NO. 01AD008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	198.86 LE 15 MAI *	197.48 LE 21 FEV *	1974

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LOUIS (LAC) - STATION NO. 02RG015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1976	---	---	---	---	---	---	---	---	---	---	---	145.87R	---	1976
1977	145.84R	145.82R	145.80R	145.90R	145.81R	---	145.78R	145.81R	---	145.84R	145.18R	145.81R	---	1977
1978	145.78R	145.77R	---	---	145.84R	145.78R	145.79R	145.80R	145.81R	---	145.81R	---	---	1978
1979	145.79R	145.76R	145.78R	145.87R	---	---	145.83R	---	---	---	---	---	---	1979
1980	145.78R	145.75R	145.74R	---	145.75R	---	145.78R	---	145.84R	145.85R	---	---	---	1980
1981	---	145.82R	145.80R	145.91R	145.87R	145.89R	145.84R	145.83R	145.80R	145.79R	145.80R	---	---	1981
1982	---	---	---	145.78R	145.85R	145.80R	145.84R	145.84R	145.83R	145.89R	145.89R	145.89R	---	1982
1983	145.87R	145.85R	---	---	146.05R	145.93R	145.91R	145.84R	145.86R	---	---	---	---	1983
1984	---	---	---	---	---	145.86R	145.91R	145.91R	---	---	145.94R	145.93R	---	1984
1985	145.91	145.90	145.90	145.98	146.03	145.98	145.97	145.93	145.90	145.89R	145.90R	145.88R	145a.93R	1985
1986	---	---	---	145.99	145.95	146.06	145.99	146.03	146.13	146.09R	145.99R	145.99R	---	1986
1987	145.97	145.94	145.90	145.92	145.86	145.83	145.86	145.85	145.85	---	---	---	---	1987
MOYEN	145.85R	145.83R	145.82R	145.91R	145.89R	145.90R	145.86R	145.87R	145.86R	145.88R	145.93R	145.90R	145.93R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 21 44 BASSIN VERSANT, 3.20 km²
LONG 71 34 38 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

LOUIS (LAC) - STATION NO. 02RG015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	146.21 LE 27 AVR *	145.87R LE 8 OCT	1985
1986	---	---	---	1986
1987	---	146.15 LE 1 AVR	145.81 LE 7 JUN *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

LOUISE (LAC) - STATION NO. 02DE006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	---	---	---	47.00R	47.00R	---	1984
1985	47.25	47.32	47.23	47.41	46.89	46.89	46.86	46.85	46.86	47.00R	47.18R	47.17R	47.09R	1985
1986	47.34	47.29	---	47.34	46.91	47.01	46.96	47.16	47.02	47.11R	47.08R	---	---	1986
1987	47.14	47.16	47.20	47.23	46.90	47.09	47.03	46.92	46.89	---	---	---	---	1987
MOYEN	47.24	47.27	47.22	47.33	46.93	47.03	46.95	46.98	46.96	47.06R	47.09R	47.09R	47.09R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 44 15 BASSIN VERSANT, 1 860 km²
LONG 71 25 18 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

LOUISE (LAC) - STATION NO. 02OE006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	---	---	1984
1985	---	48.03 LE 18 AVR	46.61 LE 14 SEP *	1985
1986	---	---	---	1986
1987	---	48.62 LE 2 AVR *	46.70 LE 23 MAI	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LOUP (RIVIERE DU) A LA ROUTE NO. 232 - STATION NO. 02PG001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	29.41	29.46	29.61	---	1982
1983	29.60	29.66	29.77	30.62	30.30	29.81	29.44	29.43	29.33	29.36	29.65	29.67	29.70	1983
1984	29.68	29.70	29.72	30.24	30.43	29.86	29.67	29.48	29.39	29.32R	29.42R	29.54R	29.88R	1984
1985	29.49	29.59	29.59	29.98	30.02	29.65	29.55	29.49	29.36	29.42R	29.41R	29.39R	29.57R	1985
1986	29.42	29.56	29.48	30.20	29.81	29.64	29.63	29.64	29.62	29.63R	29.57R	---	---	1986
1987	29.53	29.57	29.64	30.22	29.48	29.47	29.46	29.41	29.41	---	---	---	---	1987
MOYEN	29.54	29.62	29.64	30.23	30.01	29.59	29.55	29.46	29.42	29.43R	29.50R	29.63R	29.65R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 60.957 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 49 21 BASSIN VERSANT, 1 050 km²
LONG 69 31 14 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

LOUP (RIVIERE DU) A LA ROUTE NO. 232 - STATION NO. 02PG001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	31.70 LE 20 AVR *	29.14 LE 19 SEP *	1983
1984	---	31.31 LE 3 MAI	29.21 LE 24 SEP	1984
1985	---	30.71 LE 29 AVR	29.19 LE 23 SEP	1985
1986	---	---	---	1986
1987	---	31.64 LE 3 AVR	29.20 LE 7 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 60.957 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LOUP (RIVIERE DU) A SAINT-JOSEPH-DE-KAMOURASKA - STATION NO. 02PG006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	23.84	24.11	24.30	---	1982
1983	24.28	24.19	24.35	---	25.58	24.22	23.86	23.81	23.68	23.88	24.63	24.54	---	1983
1984	24.26	24.43	24.53	25.84	25.98	24.36	24.48	23.94	23.87	23.82R	24.18R	24.45R	24.82R	1984
1985	24.18	24.10	24.16	25.24	25.22	24.16	24.19	23.89	23.79	24.00R	24.09R	24.01R	24.25R	1985
1986	24.15	24.41	24.45	25.83	24.80	24.21	24.19	24.39	24.44	24.33R	24.24R	24.11R	24.43R	1986
1987	24.11	24.32	24.41	---	24.02	24.04	23.96	23.87	23.80	---	---	---	---	1987
MOYEN	24.19	24.29	24.38	25.57	25.08	24.20	24.14	23.96	23.96	24.03R	24.25R	24.28R	24.40R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 101.864 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 36 45 BASSIN VERSANT, 625 km²
LONG 69 38 45 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

LOUP (RIVIERE DU) A SAINT-JOSEPH-DE-KAMOURASKA - STATION NO. 02PG006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	27.91 LE 2 MAI *	23.61 LE 19 SEP	1984
1985	---	27.00 LE 28 AVR	23.72 LE 25 SEP *	1985
1986	---	27.76 LE 4 AVR	23.61 LE 31 JUL	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 101.864 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LOUPS MARINS (LAC DES) - STATION NO. 03FA003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1974	---	---	---	---	---	---	---	28.92	28.64	28.59	---	---	---	1974
1975	---	---	---	---	---	---	29.40	29.57	29.42	---	---	---	---	1975
1976	---	---	---	---	---	---	29.21	29.06	28.94	28.73	---	---	---	1976
1977	---	---	---	---	---	---	---	---	---	28.83	28.76	---	---	1977
1978	---	---	---	27.81	---	28.08	28.36	28.80	---	29.37	29.15	28.91	---	1978
1979	---	---	---	27.71	27.86	29.64	30.01	29.43	29.11	29.15	29.18	---	---	1979
1980	---	28.34	28.01	27.81	28.25	29.20	29.45	29.20	28.91	28.91	28.94	28.88	---	1980
1981	28.53	28.26	28.08	27.88	27.80	28.71	29.60	29.40	28.86	28.77	28.72	---	---	1981
1982	---	---	---	---	27.88	28.91	29.41	29.39	29.15	28.86	28.85	28.71	---	1982
1983	28.47	28.22	27.97	27.78	28.22	29.17	29.36	---	---	---	---	28.84	---	1983
1984	---	28.21	---	27.81	28.16	28.86	29.17	29.41	29.39	29.60R	29.60R	29.19R	---	1984
1985	28.80	---	---	27.80	27.78	28.78	29.23	28.85	28.82	28.97R	29.03R	28.88R	---	1985
1986	28.55	28.25	28.00	27.80	27.97	28.91	29.15	29.05	29.09	29.19R	28.98R	28.85R	28.63R	1986
1987	28.34	28.07	27.84	27.68	28.07	28.26	29.37	29.17	29.14	---	---	---	---	1987
MOYEN	28.54	28.23	27.98	27.78	28.01	28.95	29.33	29.20	29.04	29.00R	29.01R	28.88R	28.63R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 56 25 18
LONG 74 00 00

BASSIN VERSANT, 8 390 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

LOUPS MARINS (LAC DES) - STATION NO. 03FA003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	29.22R LE 5 OCT	27.71 LE 8 MAI	1986
1987	---	29.50 LE 24 JUN *	27.65 LE 15 AVR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

LOVERING (LAC) - STATION NO. 02OE015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	---	---	242.25	242.09	242.04	---	---	241.87	241.43	---	1965
1966	241.04	240.84	241.14	242.08	---	242.01	---	241.85	---	240.99	---	241.24	---	1966
1967	---	---	241.72	242.18	---	---	241.98	241.88	---	---	241.35	241.17	---	1967
1968	240.95	240.83	241.17	242.13	---	---	241.87	241.77	241.87	241.48	241.25	241.47	---	1968
1969	---	---	---	242.31	242.24	242.07	242.01	241.95	241.86	241.49	241.43	---	---	1969
1970	---	---	---	---	---	---	241.85	241.74	---	---	241.13	---	---	1970
1971	---	241.97	241.88	---	242.04	241.81	---	---	---	---	---	---	---	1971
1972	---	242.08	242.16	242.13	242.30	242.03	242.04	---	---	---	241.84	242.05	---	1972
1973	---	241.96	242.03	242.02	242.11	241.89	---	---	241.78	241.33	241.23	241.84	---	1973
1974	242.02	241.97	242.05	242.28	242.19	241.89	242.07	241.80	241.78	241.65	241.87	241.71	241.96	1974
1975	241.86	241.83	241.72	241.93	241.89	---	---	---	241.58	---	---	---	---	1975
1976	---	241.56	---	---	---	241.89	241.94	241.96	---	241.82	241.77	241.68	---	1976
1977	241.59	241.57	241.75	241.90	241.97	241.92	241.88	241.83	241.84	241.64	241.80	241.60	241.82	1977
1978	241.64	---	---	241.78	241.93	241.98	241.87	241.86	241.78	241.78	241.78	241.78	---	1978
1979	---	---	---	241.91	241.91	---	---	241.79	---	---	---	241.88	---	1979
1980	241.68	241.55	---	241.77	241.90	241.88	241.83	241.80	241.80	241.64	241.82	241.78	---	1980
1981	241.58	241.74	241.63	241.86	241.96	241.97	241.82	241.93	241.89	241.94	242.00	241.86	241.85	1981
1982	241.83	241.79	241.84	242.12	241.92	241.90	---	---	---	---	---	---	---	1982
MOYEN	241.58	241.63	241.74	242.03	242.04	241.96	241.94	241.87	241.77	241.62	241.63	241.67	241.88	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 08 48
LONG 72 08 15

BASSIN VERSANT, 36.5 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

LOVERING (LAC) - STATION NO. 020E015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	242.40 LE 6 AVR *	241.58 LE 12 OCT	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	242.09 LE 3 OCT	241.55 LE 5 MAR	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	243.32 LE 30 OCT	241.51 LE 26 MAR *	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

LUDGER (LAC) AU BARRAGE LUDGER - STATION NO. 02LC010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	377.44	377.31	376.77	377.14	377.34	377.29	377.24	377.15	377.18	377.02	377.37	377.42	377.22	1963
1964	377.37	377.00	376.71	377.07	377.43	377.34	376.80	376.89	376.58	376.36	376.27	376.36	376.84	1964
1965	376.79	377.05	376.52	376.82	377.45	377.32	377.20	377.25	377.40	377.41	377.38	377.38	377.17	1965
1966	377.41	377.35	376.83	376.79	377.26	377.35	377.18	377.07	377.17	377.26	377.25	377.26	377.18	1966
1967	376.32	376.22	374.41	376.06	376.36	376.43	376.36	376.36	374.70	376.17	376.24	376.22	376.14	1967
1968	376.20	374.80	374.52	376.45	376.36	376.42	376.41	376.43	376.30	374.56	374.82	376.16	376.13	1968
1969	377.07	376.77	376.17	376.86	377.26	377.36	377.36	377.36	377.35	376.67	377.32	377.26	377.07	1969
1970	377.07	376.86	376.86	376.89	376.86	377.10	377.35	377.13	376.82	377.31	377.08	377.46	377.05	1970
1971	376.26	374.86	374.62	374.74	376.36	376.46	376.47	376.46	376.46	376.39	376.28	376.24	376.18	1971
1972	376.17	376.44	376.42	374.76	376.51	376.53	376.51	376.43	376.33	376.16	376.08	376.32	376.30	1972
1973	376.16	376.28	374.90	374.87	376.30	376.46	376.44	376.47	376.43	376.32	376.06	376.46	376.28	1973
1974	376.44	376.89	376.03	374.86	376.47	376.49	376.50	376.40	376.46	376.53	376.53	376.52	376.40	1974
1975	376.48	376.48	374.93	374.80	376.48	376.50	376.48	376.28	376.20	376.40	376.41	376.43	376.32	1975
1976	376.42	376.37	376.02	376.26	376.38	376.57	376.49	376.46	376.49	376.50	376.50	376.49	376.41	1976
1977	376.38	376.27	374.87	---	376.48	376.54	376.52	---	376.46	376.27	---	376.81	---	1977
1978	376.48	376.41	374.78	374.73	376.36	376.43	376.46	376.40	374.98	374.67	376.14	376.42	376.18	1978
1979	---	376.48	374.98	374.84	376.41	376.40	376.44	376.47	376.43	---	376.46	376.43	---	1979
1980	376.32	376.23	376.04	376.20	376.44	376.48	376.47	376.37	374.82	376.43	376.44	376.37	376.30	1980
1981	376.42	376.55	---	376.37	376.38	376.46	376.43	---	376.48	376.48	376.51	376.36	---	1981
1982	376.22	376.06	374.74	374.88	376.32	376.44	376.46	376.39	376.48	376.54	376.50	376.48	376.28	1982
1983	376.46	376.38	376.28	376.11	376.46	376.41	376.40	376.41	376.06	376.28	376.48	376.38	376.24	1983
1984	376.38	376.37	376.21	376.26	376.46	376.44	376.47	376.47	376.44	376.33R	376.46R	376.44R	376.38R	1984
1985	376.36	376.28	376.26	376.12	376.47	376.50	376.46	376.31	376.18	376.37R	376.38R	376.28R	376.33R	1985
1986	376.27	376.44	376.27	376.36	376.44	376.43	376.41	376.46	376.48	376.47R	376.30R	376.40R	376.39R	1986
1987	376.34	376.29	376.22	---	376.46	376.44	376.38	376.26	376.38	---	---	---	---	1987
MOYEN	376.80	376.72	376.36	376.54	376.88	376.90	376.87	376.84	376.72	376.73R	376.78R	376.83R	376.61R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 07 07 LONG 74 18 36

BASSIN VERSANT, 39.1 km²
REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

LUDGER (LAC) AU BARRAGE LUDGER - STATION NO. 02LC010

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	---	377.85 LE 22 AVR	376.52 LE 22 MAR	1963
1964	---	377.88 LE 24 AVR	376.25 LE 21 OCT	1964
1965	---	377.58 LE 24 OCT	376.26 LE 24 MAR	1965
1966	---	377.55 LE 12 DEC	376.45 LE 13 AVR	1966
1967	---	375.72 LE 17 JUN	374.32 LE 22 MAR *	1967
1968	---	376.56 LE 9 AVR	374.37 LE 18 MAR	1968
1969	---	377.53 LE 30 AVR	376.14 LE 10 MAR	1969
1970	---	377.71 LE 2 MAI *	376.34 LE 10 AVR	1970
1971	---	376.61 LE 27 MAI	374.43 LE 5 AVR	1971
1972	---	376.85 LE 23 JUN	374.56 LE 13 AVR	1972
1973	---	376.85 LE 7 SEP	374.82 LE 15 AVR	1973
1974	---	376.63 LE 23 FEV	374.48 LE 4 AVR	1974
1975	---	376.65 LE 9 JUN	374.52 LE 2 AVR	1975
1976	---	376.77 LE 27 JUN	374.84 LE 28 MAR	1976
1977	---	---	---	1977
1978	---	376.85 LE 21 JUN	374.42 LE 30 SEP	1978
1979	---	---	---	1979
1980	---	376.65 LE 16 AVR	374.54 LE 11 SEP	1980
1981	---	---	---	1981
1982	---	376.89 LE 28 AVR	374.44 LE 13 AVR	1982
1983	---	376.85 LE 8 NOV	374.72 LE 8 AVR	1983
1984	---	376.71 LE 16 AOU	374.74 LE 3 AVR	1984
1985	---	376.72 LE 27 AVR	374.71 LE 14 AVR	1985
1986	---	376.95 LE 13 SEP	374.80 LE 30 MAR	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MACAMIC (LAC) A MACAMIC - STATION NO. 04HA001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1941	---	---	---	---	---	---	---	---	---	280.23	280.36	278.97	---	1941
1942	278.85	278.51	278.28	278.58	---	278.80	---	278.75	278.84	278.89	280.01	278.88	---	1942
1943	278.39	278.18	278.04	---	278.82	278.81	278.28	278.74	278.82	278.98	279.17	278.05R	---	1943
1944	278.95	278.93	279.00	279.01	278.68	278.20	278.67	279.24	---	279.58	279.87	---	---	1944
1945	---	---	279.06	278.84	278.52	278.61	278.51	278.55	278.10	278.03	278.61	278.40	---	1945
1946	278.04	278.67	278.96	278.84	278.68	278.59	278.30	278.68	278.74	278.53	278.70	278.83	278.09	1946
1947	278.87	278.81	---	278.59	280.28	278.65	279.08	278.58	278.78	278.32	278.81	278.68	---	1947
1948	278.44	278.37	278.33	278.15	278.63	278.20	278.43	278.78	278.76	278.54	278.71	278.18	278.63	1948
1949	278.12	278.94	278.74	278.37	278.80	278.83	278.48	278.01	278.81	278.88	278.70	278.85	278.10	1949
1950	278.81	278.58	278.49	---	278.88	278.80	278.57	---	278.78	278.78	278.58	278.88	---	1950
1951	278.36	278.97	278.72	278.85	278.62	278.32	278.30	278.08	278.84	278.18	278.70	278.71	278.27	1951
1952	278.80	---	278.14	278.46	278.62	278.41	278.42	278.44	278.44	278.80	278.78	278.71	---	1952
1953	278.80	278.38	278.33	278.80	278.34	278.14	278.84	278.58	278.72	278.25	278.32	278.87	278.25	1953
1954	278.44	278.21	278.14	278.42	278.40	278.31	278.28	278.21	278.04	278.83	278.58	278.88	278.35	1954
1955	278.44	278.17	278.83	278.31	278.30	---	278.87	278.84	278.82	278.27	278.57	278.81	---	1955
1956	278.41	278.17	278.87	278.80	---	278.34	278.28	278.17	278.24	278.38	278.31	278.20	---	1956
1957	278.88	278.78	278.57	278.87	278.44	278.31	278.41	278.00	278.71	278.85	278.03	278.51	278.03	1957
1958	278.52	278.28	278.02	278.20	278.33	278.27	278.30	278.23	278.32	278.53	278.58	278.55	278.34	1958
1959	278.28	278.85	278.65	278.69	278.64	278.31	278.98	278.59	---	278.86	278.72	278.78	---	1959
1960	278.58	278.34	278.04	278.30	280.29	278.51	278.44	278.40	278.30	278.48	278.78	278.72	278.51	1960
1961	278.41	278.13	278.87	278.12	278.50	278.39	278.28	278.13	278.44	278.51	278.70	278.61	278.38	1961
1962	278.78	278.62	278.38	278.44	278.84	278.32	278.12	278.18	278.31	278.23	278.20	278.18	278.38	1962
1963	278.08	278.98	278.90	278.84	278.36	278.43	278.28	278.28	278.48	278.48	278.84	278.84	278.30	1963
1964	278.52	278.42	278.17	278.37	278.84	278.45	278.02	278.85	278.11	278.27	278.38	278.33	278.28	1964
1965	278.13	278.83	278.88	278.78	278.88	278.82	278.07	278.28	278.35	278.28	278.83	278.88	278.10	1965
1966	278.88	278.05	278.08	278.13	278.38	278.05	278.10	278.20	278.81	278.99	278.80	278.81	278.02	1966
1967	278.51	278.49	278.61	278.25	278.78	278.08	278.71	278.88	278.73	278.28	---	---	---	1967
1968	---	---	278.38	278.44	278.84	278.78	278.88	278.89	278.02	278.18	278.02	278.79	---	1968
1969	278.85	278.80	278.48	278.80	278.34	278.93	278.80	278.88	---	---	278.51	278.89	---	1969
1970	278.28	278.15	278.13	278.15	278.85	278.34	278.88	278.48	278.55	278.78	278.87	278.97	278.82	1970
1971	278.89	278.80	278.72	278.88	278.54	278.20	278.88	---	---	---	278.28	278.95	---	1971
1972	278.01	278.92	278.78	278.89	278.37	278.41	278.84	278.74	278.87	278.49	278.07	278.43	278.88	1972
1973	---	---	---	---	278.32	278.14	278.18	278.10	278.23	278.84	278.38	278.87	---	1973
1974	278.53	278.48	278.38	278.38	278.73	278.13	278.05	278.89	278.97	278.38	278.85	278.57	278.18	1974
1975	278.80	278.88	278.73	278.02	278.51	278.57	278.88	---	---	278.58	278.18	278.88	---	1975
1976	278.78	278.78	278.80	278.21	278.88	278.28	278.32	278.41	278.35	278.11	278.10	278.28	278.18	1976
1977	278.32	278.32	278.34	278.56	278.32	278.34	278.06	278.10	278.17	278.25	278.41	278.04	278.27	1977
1978	278.06	278.04	278.97	278.02	278.88	278.31	278.30	278.91	278.97	278.14	278.88	278.98	278.11	1978
1979	278.88	278.84	---	278.86	278.81	278.38	278.88	278.88	278.55	278.81	278.82	278.82	---	1979
1980	278.85	278.92	278.94	278.40	278.30	278.06	278.23	278.21	278.28	---	278.87	278.80	---	1980
1981	---	---	278.82	---	---	278.18	278.32	278.27	278.26	278.28	278.08	278.87	---	1981
1982	278.02	278.88	278.98	278.28	278.51	278.26	278.33	278.26	278.30	278.20	278.15	278.11	278.20	1982
1983	278.88	278.91	278.91	278.85	278.88	278.26	278.23	278.11	278.24	278.26	278.20	278.13	278.18	1983
1984	278.91	278.83	278.85	278.27	278.22	278.24	278.28	278.15	278.07	278.30R	278.28R	278.28R	278.14R	1984
1985	278.06	278.81	278.72	278.02	278.41	278.35	278.21	278.88	278.84	278.24R	278.34R	278.15R	278.10R	1985
1986	278.04	278.97	278.93	278.17	278.46	278.18	278.24	278.84	278.84	278.88R	278.73R	278.74R	278.03R	1986
1987	278.84	278.82	278.81	278.84	278.05	278.88	278.08	278.83	278.84	---	---	---	---	1987
MOYEN	278.10	278.87	278.88	278.15	278.53	278.31	278.14	278.01	278.02	278.20R	278.28R	278.21R	278.15R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 48 40
LONG 78 00 45

BASSIN VERSANT, 1 220 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MACAMIC (LAC) A MACAMIC - STATION NO. 04MA001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	280.58 LE 27 MAI	278.40 LE 25 OCT	1946
1947	---	---	---	1947
1948	---	280.00 LE 28 AVR	278.31 LE 17 MAR	1948
1949	---	280.29 LE 25 AVR	278.59 LE 22 OCT	1949
1950	---	---	---	1950
1951	---	280.21 LE 16 AVR	278.84 LE 27 MAR	1951
1952	---	---	---	1952
1953	---	280.01 LE 12 AVR	278.28 LE 6 SEP	1953
1954	---	279.83 LE 23 AVR	278.89 LE 13 SEP	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	280.38 LE 28 AVR	278.48 LE 3 AVR	1957
1958	---	279.88 LE 11 OCT	278.89 LE 30 MAR	1958
1959	---	---	---	1959
1960	---	280.94 LE 10 MAI *	278.90 LE 3 AVR	1960
1961	---	279.84 LE 18 DEC	278.75 LE 11 AVR	1961
1962	---	279.92 LE 5 MAI	279.02 LE 3 AOU	1962
1963	---	279.80 LE 15 SEP	278.89 LE 5 MAR	1963
1964	---	280.20 LE 28 AVR	278.85 LE 9 AOU	1964
1965	---	279.85 LE 18 MAI	278.80 LE 19 AVR	1965
1966	---	279.48 LE 25 MAI	278.55 LE 30 DEC	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	279.58 LE 5 JUN	278.13 LE 14 MAR *	1970
1971	---	---	---	1971
1972	---	279.84 LE 24 OCT	278.30 LE 24 DEC	1972
1973	---	---	---	1973
1974	---	280.19 LE 2 MAI	278.48 LE 20 DEC	1974
1975	---	---	---	1975
1976	---	280.32 LE 24 AVR	278.73 LE 1 JAN	1976
1977	---	280.37 LE 25 AVR	278.87 LE 19 JUL	1977
1978	---	280.13 LE 15 MAI	278.81 LE 28 AOU	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	279.98 LE 31 MAR	278.94 LE 9 MAR	1982
1983	---	279.85 LE 5 MAI	278.83 LE 27 AVR	1983
1984	---	279.72 LE 21 AVR	278.78 LE 11 FEV	1984
1985	---	280.09 LE 28 AVR	278.87 LE 27 MAR	1985
1986	---	279.76 LE 4 MAI	278.84R LE 1 DEC	1986
1987	---	279.28 LE 7 JUL	278.78 LE 24 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

MADAWASKA (RIVIERE) AU RESERVOIR TEMISCOUATA - STATION NO. 01AD005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	26.77	26.61	26.48	25.81	---	26.81	26.89	26.44	26.21	26.34	26.82	26.82	---	1966
1967	26.77	26.29	26.26	24.84	26.42	26.78	26.81	26.79	26.81	26.80	26.80	26.81	26.44	1967
1968	26.61	26.00	26.14	26.43	26.78	26.86	26.44	26.23	26.08	25.55	25.46	25.46	26.08	1968
1969	25.43	25.47	25.09	25.21	27.62	26.76	26.89	26.52	26.42	26.56	26.74	26.81	26.26	1969
1970	26.61	26.26	25.56	25.26	27.06	26.71	26.73	26.16	26.11	26.72	26.76	26.57	26.36	1970
1971	26.44	26.87	26.24	25.11	26.96	26.80	26.71	26.83	26.80	26.81	26.73	26.68	26.39	1971
1972	26.73	26.10	25.52	25.42	27.17	26.88	26.81	26.63	26.76	26.81	26.76	26.79	26.53	1972
1973	26.62	26.80	25.89	25.08	27.66	26.77	26.89	26.86	26.52	26.39	26.56	26.89	26.64	1973
1974	26.61	25.99	25.42	25.37	26.10	26.86	26.86	26.52	---	---	---	---	---	1974
MOYEN	26.50	26.15	25.42	25.52	27.22	26.76	26.89	26.51	26.46	26.50	26.56	26.60	26.36	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 34 14 BASSIN VERSANT, 2 590 km²
LONG 68 38 35 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

MADAWASKA (RIVIERE) AU RESERVOIR TEMISCOUATA - STATION NO. 01AD005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	26.82 LE 1 JAN	24.83 LE 6 AVR	1967
1968	---	27.80 LE 29 AVR	24.95 LE 22 MAR	1968
1969	---	26.84 LE 16 MAI	24.80 LE 8 AVR	1969
1970	---	27.43 LE 9 MAI	24.82 LE 13 AVR	1970
1971	---	27.48 LE 14 MAI	24.78 LE 8 AVR *	1971
1972	---	27.93 LE 25 MAI	25.26 LE 12 AVR	1972
1973	---	26.36 LE 8 MAI	25.61 LE 16 AVR	1973
1974	---	29.32 LE 19 MAI *	25.15 LE 3 AVR	1974

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MAGANASIPI (RIVIERE) AU LAC JOHNSON - STATION NO. 02KA013

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.42R	28.58R	28.72R	---	1982
1983	28.58R	28.41R	28.50R	---	---	28.58R	28.32R	28.25R	28.28R	28.50R	28.64R	28.48R	---	1983
1984	28.37R	28.41R	28.39R	28.91R	28.78R	28.63R	28.57R	28.43R	28.41R	28.46R	28.69R	28.56R	28.55R	1984
1985	28.43	28.36	28.42	29.05	28.86	28.41	28.70	28.56	28.47	28.44R	28.55R	28.47R	28.58R	1985
1986	28.37	28.33	28.36	29.05	28.70	28.54	28.37	28.63	28.34	28.46R	28.41R	28.37R	28.49R	1986
1987	28.32	28.30	28.35	28.62	28.48	28.37	28.30	28.30	28.22	---	---	---	---	1987
MOYEN	28.41R	28.38R	28.40R	28.98R	28.70R	28.51R	28.45R	28.41R	28.34R	28.46R	28.58R	28.52R	28.53R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 19 54 BASSIN VERSANT, 575 km²
LONG 78 20 54 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MAGANASIPI (RIVIERE) AU LAC JOHNSON - STATION NO. 02KA013

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	28.30R LE 19 AVR	28.33R LE 1 FEV	1984
1985	---	30.48 LE 26 AVR *	28.31 LE 4 JUL	1985
1986	---	29.51 LE 3 AVR	28.29 LE 13 JUL	1986
1987	---	29.07 LE 11 AVR	28.20 LE 18 SEP *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

MAGPIE (RIVIERE) A LA SORTIE DU LAC MAGPIE - STATION NO. 02YB004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	27.70	27.84	27.44	---	1982
1983	27.26	27.17	27.08	27.83	28.61	28.84	28.12	27.88	28.42	28.28	27.80	27.56	28.00	1983
1984	27.32	27.14	27.07	27.14	28.20	28.23	28.26	27.80	27.63	27.78R	27.64R	27.42R	27.78R	1984
1985	27.22	27.08	27.01	28.87	28.00	28.03	28.11	27.88	27.72	27.85R	27.62R	27.27R	27.68R	1985
1986	27.15	27.23	27.08	27.22	28.13	28.27	28.19	27.88	28.08	28.11R	27.58R	27.28R	27.77R	1986
1987	27.12	28.88	28.87	27.92	28.35	28.08	27.88	28.36	28.03	---	---	---	---	1987
MOYEN	27.21	27.12	27.01	27.42	28.88	28.88	28.11	27.89	27.97	27.98R	27.88R	27.40R	27.81R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 50 41 09 BASSIN VERSANT, 7 230 km²
LONG 84 34 51 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MAGPIE (RIVIERE) A LA SORTIE DU LAC MAGPIE - STATION NO. 02YB004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	30.10 LE 3 MAI	27.01 LE 18 MAR	1983
1984	---	30.25 LE 26 MAI *	27.02 LE 8 AVR	1984
1985	---	29.78 LE 5 JUN	28.94 LE 15 AVR	1985
1986	---	29.42 LE 20 MAI	28.85 LE 8 AVR	1986
1987	---	28.74 LE 7 AOU	28.84 LE 23 MAR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MANICOUAGAN (RIVIERE) A LA CENTRALE NO. 5 - STATION NO. 02TC004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	355.89	356.11	356.08	---	1982
1983	356.83	356.44	356.86	356.55	356.16	357.04	357.31	357.47	357.66	357.56	357.07	356.39	356.48	1983
1984	356.43	356.26	356.13	352.20	352.92	356.81	356.37	356.81	356.82	356.81	356.40	354.75	354.83	1984
1985	354.00	353.23	352.87	351.98	351.87	352.86	353.33	353.49	353.22	353.05	352.83	352.08	352.66	1985
1986	351.09	350.05	---	348.32	348.84	351.28	351.93	352.17	352.51	352.90	352.58R	351.82R	---	1986
1987	350.68	349.87	348.47	348.28	349.35	350.14	350.42	350.97	351.53	351.84	351.23	350.58	350.28	1987
MOYEN	353.44	352.53	352.31	351.08	351.97	353.21	353.87	353.98	354.15	354.48	354.20R	353.81R	353.55	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 50 38 40 BASSIN VERSANT, 29 300 km²
LONG 68 43 30 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MANICOUAGAN (RIVIERE) A LA CENTRALE NO. 5 - STATION NO. 02TC004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	357.94 LE 27 SEP *	354.38 LE 18 AVR	1984
		355.95 LE 1 JAN	351.91 LE 28 AVR	
1985	---	354.43 LE 1 JAN	351.27 LE 18 MAI	1985
1986	---	---	---	1986
1987	---	351.66 LE 18 SEP	347.94 LE 1 AVR *	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MANITOU (LAC) AU BARRAGE MANITOU - STATION NO. 02LC013

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	393.09	393.09	392.86	392.99	393.14	393.09	389.78	389.85	389.90	389.88	389.90	389.85	391.86	1983
1984	389.78	389.61	389.54	389.76	389.91	389.84	389.86	389.58	389.52	389.42	389.40	389.55	389.63	1984
1985	389.68	389.70	389.61	389.84	389.99	389.86	389.82	389.91	389.94	389.97	389.94	389.90	389.83	1985
1986	389.92	389.91	389.85	389.78	389.88	389.80	389.80	389.78	389.74	389.75	389.93	389.98	389.85	1986
1987	389.80	389.56	389.32	389.83	389.85	389.85	389.61	389.55	389.55	389.64	389.65	389.64	389.67	1987
1988	389.65	389.49	389.32	389.83	389.80	389.86	389.61	389.49	389.48	389.52	389.58	389.62	389.55	1988
1989	389.55	389.38	389.27	389.52	389.87	389.85	389.85	389.62	389.53	389.44	389.56	389.83	389.54	1989
1970	389.50	389.50	389.43	389.64	389.84	389.81	389.63	389.36	389.31	389.45	389.80	389.85	389.69	1970
1971	389.56	389.40	389.35	389.37	389.88	389.89	389.82	389.59	389.66	389.53	389.59	389.86	389.64	1971
1972	389.62	389.81	389.60	389.47	389.73	389.73	389.87	389.82	389.57	389.61	389.62	389.80	389.62	1972
1973	389.59	389.55	389.52	389.83	389.81	389.82	389.63	389.56	389.59	389.62	389.64	389.86	389.80	1973
1974	389.89	389.86	389.86	389.45	389.59	389.89	389.82	389.57	389.48	389.49	389.64	389.54	389.57	1974
1975	389.48	389.45	389.41	389.44	389.86	389.81	389.82	---	---	389.43	389.55	389.59	---	1975
1976	---	---	389.50	389.85	389.83	389.87	389.83	389.62	389.66	389.84	389.61	389.60	---	1976
1977	389.86	389.66	389.62	389.83	389.86	---	389.82	389.86	389.89	389.89	389.82	389.80	---	1977
1978	389.80	389.62	389.35	389.41	389.86	389.86	389.71	389.70	389.64	389.86	389.69	389.71	389.81	1978
1979	---	389.67	389.47	389.67	389.64	389.83	389.83	389.80	389.84	389.87	389.86	389.83	---	1979
1980	389.83	389.86	389.86	389.86	389.86	389.86	389.86	389.82	---	389.87	389.87	389.85	---	1980
1981	---	389.89	389.81	389.84	389.81	389.80	---	389.86	389.86R	---	389.87	389.81	---	1981
1982	389.80	389.48	389.44	389.86	389.80	389.81	389.81	389.82	389.85	389.87	389.85	389.83	389.84	1982
1983	389.83	389.82	389.80	389.86	389.84	389.80	389.44	389.40	389.38	389.48	389.58	389.89	389.61	1983
1984	389.87	389.88	389.81	389.82	389.87	389.87	389.88	389.87	389.84	389.84R	389.87R	389.85R	389.83R	1984
1985	389.83	389.89	389.82	389.86	389.88	389.81	389.84	389.87	389.82	---	389.80R	389.82R	---	1985
1986	389.80	389.46	389.46	389.82	389.84	389.82	389.80	389.83	389.83	389.82R	389.80R	389.86R	389.89R	1986
1987	389.82	389.80	389.49	389.82	389.81	389.85	389.86	389.87	389.85	---	---	---	---	1987
MOYEN	387.03	387.21	387.22	387.31	387.41	387.30	389.83	389.81	389.80R	389.81R	389.84R	389.85R	387.98R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 04 30
LONG 74 20 14

BASSIN VERSANT, 28.4 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MANITOU (LAC) AU BARRAGE MANITOU - STATION NO. 02LC013

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	389.85 LE 11 NOV	332.76 LE 26 MAR *	1983
1984	---	390.04 LE 24 AVR	389.39 LE 26 OCT	1984
1985	---	390.10 LE 6 MAI *	389.48 LE 7 AVR	1985
1986	---	390.09 LE 12 DEC	389.86 LE 11 AVR	1986
1987	---	389.76 LE 16 JUN	389.26 LE 24 MAR	1987
1988	---	389.71 LE 15 AVR	389.27 LE 13 MAR	1988
1989	---	389.76 LE 29 AVR	389.26 LE 15 MAR	1989
1970	---	389.94 LE 2 MAI	389.26 LE 2 SEP	1970
1971	---	389.78 LE 10 MAI	389.27 LE 26 MAR	1971
1972	---	389.83 LE 24 JUN	389.41 LE 19 AVR	1972
1973	---	389.80 LE 1 JUL	389.45 LE 3 MAR	1973
1974	---	389.73 LE 14 JUN	389.30 LE 16 AVR	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	389.78 LE 10 MAI	389.30 LE 10 AVR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	389.78 LE 28 AVR	389.41 LE 10 MAR	1982
1983	---	389.80 LE 4 MAI	389.34 LE 14 SEP	1983
1984	---	389.74 LE 16 AVR	389.40 LE 1 AVR	1984
1985	---	---	---	1985
1986	---	389.88 LE 13 SEP	389.43 LE 8 MAR	1986
1987	---	389.73 LE 15 JUL	389.43 LE 23 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MANOUANE (RIVIERE) AU RESERVOIR CHATEAU VERT - STATION NO. 02NB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	385.90	382.61	381.22	381.77	383.91	385.02	385.97	385.77	385.48	385.55	387.54	387.84	384.91	1983
1984	387.21	383.36	381.44	382.48	385.37	387.39	387.49	387.39	388.00	385.80	384.27	388.53	385.39	1984
1985	387.03	383.67	381.32	381.33	383.32	385.35	386.89	387.35	387.25	388.45	388.28	387.37	385.68	1985
1986	387.43	385.99	382.20	381.73	384.16	386.69	387.86	388.89	388.12	388.22	388.35	388.11	386.47	1986
1987	387.37	386.71	382.66	381.43	383.76	386.82	388.23	388.21	388.32	388.68	388.47	387.32	386.51	1987
1988	386.70	384.39	380.73	383.03	385.85	387.24	387.80	387.96	387.84	387.91	387.81	388.85	386.15	1988
1989	385.31	382.26	380.58	382.42	385.51	387.72	388.13	388.29	388.23	387.94	387.86	387.43	385.98	1989
1970	386.56	384.12	380.88	381.07	385.45	388.21	388.51	388.12	388.19	387.98	387.35	387.25	386.18	1970
1971	386.59	383.88	380.41	381.07	385.43	387.84	388.00	387.88	387.48	387.83	387.45	387.88	385.85	1971
1972	387.89	387.12	383.83	380.12	384.17	387.86	388.51	388.41	388.47	388.38	387.84	385.82	386.54	1972
1973	384.84	383.83	382.78	382.78	386.38	388.37	388.85	388.71	388.47	388.05	388.11	388.02	386.89	1973
1974	387.08	383.85	380.32	381.00	387.14	388.88	388.23	388.00	---	---	388.32	387.44	---	1974
1975	385.83	383.11	381.83	381.13	384.32	387.14	388.51	388.06	387.77	387.82	388.42	387.92	386.00	1975
1976	386.74	385.85	383.13	383.30	387.88	388.84	388.88	388.59	388.28	388.22	388.07	388.12	387.13	1976
1977	387.34	385.04	382.80	381.84	386.66	388.08	388.35	388.38	388.06	387.88	388.37	388.48	386.75	1977
1978	387.51	386.25	381.48	380.71	384.52	387.50	388.35	388.40	388.38	388.22	388.48	388.14	386.42	1978
1979	385.88	383.20	380.94	382.88	387.71	388.88	388.23	388.21	388.14	388.48	388.20	387.81	386.53	1979
1980	387.25	385.39	381.88	381.78	383.89	385.87	388.12	388.38	388.38	388.74	388.28	387.28	386.26	1980
1981	383.87	381.12	381.82	385.14	388.41	388.31	387.73	384.99	385.58	388.48	387.47	387.84	385.72	1981
1982	385.86	382.72	381.32	381.51	384.78	386.87	388.01	387.72	387.01	386.53	387.78	---	---	1982
1983	386.06	383.22	381.44	382.03	386.74	387.84	388.32	---	388.14	---	---	---	---	1983
1984	388.81	383.01	381.58	---	385.43	388.31	388.42	388.39	388.37	388.44	388.44	387.43	---	1984
1985	385.84	384.05	382.84	381.71	384.88	387.26	388.28	387.10	385.98	388.94	385.43	384.18	386.38	1985
1986	382.70	381.28	381.28	382.51	386.58	388.08	387.87	387.35	388.82	---	388.03R	387.40R	---	1986
1987	384.78	381.88	381.32	382.78	383.98	383.47	382.18	382.04	382.83	383.27	384.38	384.02	383.07	1987
MOYEN	386.24	383.88	381.85	381.97	385.44	387.33	387.83	387.58	387.41	387.82	387.82R	387.18R	385.98	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 45 31 BASSIN VERSANT, 3 080 km²
LONG 73 53 37 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MANOUANE (RIVIERE) AU RESERVOIR CHATEAU VERT - STATION NO. 02NB001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	388.22 LE 19 NOV	381.12 LE 28 MAR	1983
1984	---	387.85 LE 3 AOU	381.20 LE 18 MAR	1984
1985	---	388.84 LE 29 OCT	381.10 LE 5 AVR	1985
1986	---	388.84 LE 8 AOU	381.18 LE 11 AVR	1986
1987	---	388.77 LE 19 OCT	381.18 LE 21 AVR	1987
1988	---	388.18 LE 1 SEP	380.20 LE 27 MAR	1988
1989	---	388.85 LE 13 SEP	380.18 LE 24 MAR	1989
1970	---	388.95 LE 21 JUL *	380.13 LE 12 AVR	1970
1971	---	388.37 LE 5 JUL	380.88 LE 12 AVR	1971
1972	---	388.84 LE 21 JUL	380.85 LE 27 AVR *	1972
1973	---	388.81 LE 12 AOU	381.78 LE 15 AVR	1973
1974	---	---	---	1974
1975	---	388.82 LE 24 JUL	380.70 LE 17 AVR	1975
1976	---	388.78 LE 21 MAI	381.88 LE 28 MAR	1976
1977	---	388.88 LE 3 DEC	380.80 LE 3 AVR	1977
1978	---	388.78 LE 21 NOV	380.25 LE 11 AVR	1978
1979	---	388.84 LE 24 MAI	380.27 LE 21 MAR	1979
1980	---	385.88 LE 28 JUL	380.35 LE 30 MAR	1980
1981	---	388.88 LE 14 MAI	380.89 LE 18 FEV	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	388.72 LE 31 JUL	381.44 LE 12 AVR	1985
1986	---	---	---	1986
1987	---	388.83 LE 1 JAN	381.28 LE 19 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MANOUANE (RIVIERE) AU RESERVOIR KEMPT - STATION NO. 02HB003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	417.81	417.21	417.08	417.26	418.11	418.53	418.54	418.71	419.01	418.98	418.75	418.72	418.21	1983
1984	417.72	417.23	417.07	417.36	418.24	418.80	419.12	419.01	418.91	418.55	418.40	418.17	418.22	1984
1985	417.59	417.19	416.98	416.94	417.74	418.42	418.53	418.67	418.79	419.05	419.13	418.89	418.15	1985
1987	418.06	418.28	417.98	417.80	418.51	419.20	419.30	419.28	419.25	419.32	419.26	418.98	418.81	1987
1988	418.03	417.80	417.22	417.72	418.81	418.94	419.17	419.22	419.06	418.84	418.76	418.62	418.48	1988
1989	417.98	417.42	417.15	417.37	418.41	419.11	419.23	419.22	419.00	418.73	419.01	418.82	418.48	1989
1970	418.18	417.84	417.21	417.17	418.51	419.26	419.40	418.79	417.91	418.00	418.15	417.84	418.16	1970
1971	417.26	417.05	416.86	417.07	418.26	418.81	418.53	418.27	418.18	418.08	417.84	417.58	417.82	1971
1972	417.38	417.25	417.12	416.95	418.12	419.12	419.36	419.02	418.44	418.26	418.21	417.82	418.07	1972
1973	417.00	416.83	416.78	417.48	418.72	419.27	419.31	419.24	418.91	418.70	418.26	417.81	418.18	1973
1974	417.28	416.87	416.76	417.04	418.77	419.22	418.81	418.86	418.53	418.57	418.88	418.70	418.17	1974
1975	418.51	417.74	417.38	417.22	418.28	418.98	419.18	419.28	418.27	418.37	419.15	419.15	418.62	1975
1976	418.73	417.82	416.98	417.86	418.81	418.28	418.38	419.28	418.13	418.84	418.58	417.88	418.56	1976
1977	417.56	417.31	417.06	417.16	418.34	418.81	419.19	419.21	418.00	418.91	418.90	418.78	418.36	1977
1978	417.95	417.01	416.80	416.86	417.81	418.48	418.89	418.79	418.58	418.48	418.15	417.77	417.96	1978
1979	417.83	417.36	417.17	417.73	418.88	419.42	419.28	419.22	418.16	418.31	418.26	418.82	418.61	1979
1980	418.10	417.54	417.23	417.37	418.11	418.25	---	418.22	418.48	---	418.82	418.63	---	1980
1981	---	417.87	---	418.00	418.18	---	418.30	---	---	418.87	418.85	418.38	---	1981
1982	417.84	417.20	416.88	416.98	417.95	418.48	418.74	418.71	418.88	418.04	417.58	417.34	417.87	1982
1983	417.20	417.06	416.85	417.13	---	418.20	418.85	---	418.58	---	---	---	---	1983
1984	417.74	417.29	417.11	---	418.32	419.03	419.30	419.25	419.19	419.14	419.08	418.98	---	1984
1985	418.61	417.80	417.31	417.12	418.07	418.58	418.84	418.78	418.88	418.74	418.70	418.03	418.27	1985
1986	417.48	417.18	417.02	417.45	418.58	419.02	419.12	419.25	419.25	---	---	418.27R	---	1986
1987	417.67	417.22	417.01	417.48	417.80	417.54	417.24	417.28	417.44	417.87	417.88	417.87	417.48	1987
MOYEN	417.82	417.36	417.08	417.32	418.31	418.88	418.93	418.88	418.78	418.68	418.61	418.30R	418.24	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 33 00
LONG 74 11 00

BASSIN VERSANT, 1 500 km²
REGULARISE

DONNEES FOURNIES PAR -
HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MANOUANE (RIVIERE) AU RESERVOIR KEMPT - STATION NO. 02HB003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	419.07 LE 18 SEP	417.05 LE 8 MAR	1983
1984	---	419.17 LE 13 JUL	417.03 LE 13 MAR	1984
1985	---	419.21 LE 18 NOV	416.85 LE 7 AVR	1985
1987	---	419.41 LE 21 OCT	417.38 LE 14 AVR	1987
1988	---	419.26 LE 8 AOU	417.16 LE 22 MAR	1988
1989	---	419.26 LE 30 JUL	417.08 LE 24 MAR	1989
1970	---	419.50 LE 22 JUL	417.05 LE 8 AVR	1970
1971	---	418.94 LE 5 JUN	416.74 LE 6 AVR	1971
1972	---	419.62 LE 28 JUN *	416.81 LE 15 AVR	1972
1973	---	419.40 LE 7 JUL	416.78 LE 12 MAR	1973
1974	---	419.36 LE 1 JUN	416.74 LE 29 MAR	1974
1975	---	419.41 LE 25 OCT	417.15 LE 16 AVR	1975
1976	---	419.38 LE 6 JUL	416.89 LE 23 MAR *	1976
1977	---	419.28 LE 10 AOU	416.76 LE 6 AVR	1977
1978	---	418.83 LE 6 AOU	416.73 LE 26 FEV	1978
1979	---	419.51 LE 14 JUN	417.14 LE 11 MAR	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	418.79 LE 19 JUL	416.80 LE 6 AVR	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	418.98 LE 28 JUL	417.05 LE 13 AVR	1985
1986	---	---	---	1986
1987	---	417.88 LE 9 NOV	416.87 LE 28 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MANOUANE (RIVIERE) AU RESERVOIR MANOUANE - STATION NO. 02RB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1988	190.46R	189.19R	189.24R	189.39R	190.17R	192.09R	192.52R	192.58R	192.58R	192.60R	192.60R	191.88R	191.29R	1988
MOYEN	190.46R	189.19R	189.24R	189.39R	190.17R	192.09R	192.52R	192.58R	192.58R	192.60R	192.60R	191.88R	191.29R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 50 39 30
LONG 70 31 40

BASSIN VERSANT, 5 000 km²
REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

R - REVISEE DEPUIS JAN 1, 1988

MANOUANE (RIVIERE) AU RESERVOIR MANOUANE - STATION NO. 02RB001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1985	---	192.65R LE 23 OCT *	189.05R LE 13 FEV *	1985

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

MANOUANE (RIVIERE) AU RESERVOIR MANOUANE - STATION NO. 02RB006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	408.52	408.48	408.15	408.43	410.14	410.34	410.19	408.20	408.80	410.50	410.42	410.47	409.84	1963
1964	408.64	408.42	408.29	408.80	410.42	410.35	410.81	410.82	410.40	410.02	408.85	408.28	409.72	1964
1965	408.19	408.38	408.12	408.08	409.76	410.42	410.12	410.28	410.42	410.71	410.77	410.33	409.72	1965
1966	408.64	408.50	408.22	408.18	408.92	410.88	410.88	410.85	410.82	410.85	410.82	410.86	410.02	1966
1967	410.39	409.35	408.51	408.44	410.26	410.89	410.47	410.33	410.27	410.83	410.87	410.83	410.10	1967
1968	410.19	408.51	408.20	408.04	410.51	410.36	409.94	410.34	410.57	410.20	410.13	408.84	409.82	1968
1969	408.85	408.40	408.15	408.48	410.29	410.49	410.57	410.45	410.15	410.58	410.38	408.82	409.72	1969
1970	408.11	408.75	408.42	408.30	410.28	410.75	410.72	410.40	410.13	410.10	408.80	408.35	409.89	1970
1971	408.84	408.29	408.17	408.30	408.89	410.15	410.45	410.42	410.44	408.87	408.89	408.95	408.58	1971
1972	408.87	408.28	408.30	408.40	410.00	410.28	410.82	410.41	410.48	410.45	410.20	408.32	409.84	1972
1973	408.88	408.44	408.33	408.80	410.54	410.59	410.86	410.73	410.53	410.47	410.28	408.38	409.80	1973
1974	408.78	408.44	408.32	408.86	410.84	410.91	410.49	410.45	410.33	410.48	410.57	410.80	408.88	1974
1975	408.87	408.13	408.84	408.59	410.11	410.82	410.37	410.28	410.33	410.46	410.80	410.54	408.87	1975
1976	408.89	408.00	408.58	408.77	410.87	410.73	410.83	410.73	410.56	410.80	410.84	410.00	410.19	1976
1977	408.80	408.47	408.39	408.88	410.32	410.42	410.83	410.80	410.61	410.48	410.43	410.34	409.91	1977
1978	408.84	408.72	408.31	408.27	410.02	410.25	410.05	409.98	408.84	408.89	408.82	408.31	409.50	1978
1979	408.15	408.88	408.27	408.28	410.80	410.87	410.83	410.47	410.51	410.89	410.88	410.48	410.01	1979
1980	408.88	408.89	408.44	408.04	410.43	410.33	410.38	410.31	410.24	---	410.48	408.80	---	1980
1981	---	408.86	---	408.75	---	---	---	---	---	408.84	408.09	408.41	---	1981
1982	408.85	408.86	408.32	408.38	410.13	410.38	410.23	---	410.34	410.15	408.89	408.80	---	1982
1983	408.05	408.73	408.84	408.85	---	410.87	410.75	---	410.44	---	---	---	---	1983
1984	408.88	408.88	408.82	---	410.83	410.87	410.88	410.88	410.83	410.49	410.48	410.20	---	1984
1985	410.08	410.28	408.82	408.87	410.18	---	410.48	408.82	410.12	410.85	410.88	410.42	---	1985
1986	408.48	408.00	408.74	408.86	410.88	411.06	410.85	---	---	---	---	410.23R	---	1986
1987	408.82	408.09	408.77	408.72	408.84	408.82	408.08	408.04	408.32	408.72	---	---	---	1987
MOYEN	408.38	408.73	408.41	408.77	410.28	410.80	410.45	410.32	410.31	410.34	410.32	410.01R	408.82	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 38 04
LONG 74 00 00

BASSIN VERSANT, 2 240 km²
REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MANOUANE (RIVIERE) AU RESERVOIR MANOUANE - STATION NO. 02RB006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	---	410.70 LE 15 OCT	408.05 LE 28 MAR	1963
1964	---	410.81 LE 6 SEP	408.23 LE 7 MAR	1964
1965	---	410.86 LE 8 NOV	407.97 LE 8 AVR	1965
1966	---	410.87 LE 25 NOV	407.90 LE 11 AVR *	1966
1967	---	411.11 LE 19 OCT	408.27 LE 10 AVR	1967
1968	---	410.77 LE 15 MAI	408.14 LE 22 MAR	1968
1969	---	410.84 LE 18 MAI	408.12 LE 15 MAR	1969
1970	---	411.15 LE 21 JUL	408.15 LE 14 AVR	1970
1971	---	410.85 LE 7 JUL	407.98 LE 12 AVR	1971
1972	---	410.86 LE 19 JUL	408.18 LE 1 FEV	1972
1973	---	410.88 LE 12 AOU	408.24 LE 8 AVR	1973
1974	---	411.19 LE 26 MAI *	408.29 LE 1 AVR	1974
1975	---	410.70 LE 11 NOV	408.46 LE 24 AVR	1975
1976	---	410.98 LE 22 MAI	408.40 LE 24 MAR	1976
1977	---	410.97 LE 2 AOU	408.37 LE 10 MAR	1977
1978	---	410.89 LE 23 MAI	408.16 LE 11 AVR	1978
1979	---	410.79 LE 25 OCT	408.21 LE 11 MAR	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MARDIS (LAC) - STATION NO. 021C038

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1969	---	---	---	---	---	---	29.70	29.72	29.69	29.65	---	---	---	1969
1970	---	---	---	---	29.80	29.69	29.69	29.66	29.67	---	29.66	---	---	1970
1971	---	---	---	---	29.67	29.70	29.65	29.72	29.71	---	---	---	---	1971
1972	---	---	---	---	29.66	29.62	29.78	29.66	---	---	---	---	---	1972
1973	---	---	---	---	29.65	---	29.74	29.74	29.74	---	---	---	---	1973
1974	---	---	---	---	---	---	---	---	29.67	29.69	---	29.69	---	1974
1975	29.63	29.65	---	30.22	30.07	---	---	30.05	---	30.07	30.04	30.07	---	1975
1976	30.05	30.04	30.15	30.23	30.08	30.04	---	30.07	29.97	30.11	30.13	30.15	---	1976
1977	30.15	30.09	30.07	30.21	30.14	30.07	30.02	29.95	29.83	---	---	29.75	---	1977
1978	29.64	29.47	29.63	---	---	---	30.17	30.12	30.10	30.08	30.08	30.08	---	1978
1979	30.12	30.08	30.08	---	---	---	---	---	---	29.88	30.08	30.03	---	1979
1980	29.88	30.11	30.02	30.13	30.14	30.15	30.10	30.13	30.08	30.09	30.17	30.15	30.10	1980
1981	30.22	30.15	30.15	30.32	30.15	30.17	30.15	---	---	---	---	---	---	1981
1982														1982
MOYEN	30.00	29.85	30.02	30.23	30.00	29.85	29.85	29.85	29.85	29.89	30.02	30.03	30.10	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 51 25 BASSIN VERSANT, 5.78 km²
LONG 74 07 30 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MARDIS (LAC) - STATION NO. 021C038

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	30.44 LE 25 FEV *	29.94 LE 23 MAR *	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MASKINONGE (LAC) A SAINT GABRIEL DE BRANDON - STATION NO. 020C007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	---	---	---	---	---	---	---	---	---	142.72R	---	142.63R	---	1972
1973	---	---	---	143.61R	143.67R	142.67R	142.47R	---	---	142.61R	142.50R	142.68R	---	1973
1974	142.47R	142.40R	142.44R	143.12R	144.18R	143.18R	142.47R	142.34R	142.11R	142.23R	142.48R	142.84R	142.88R	1974
1975	142.43R	142.33R	142.45R	142.98R	143.89R	142.75R	142.17R	142.08R	142.02R	142.05R	---	142.19R	---	1975
1976	---	142.06R	---	143.70R	142.82R	142.23R	142.27R	142.08R	141.82R	142.03R	141.87R	141.71R	---	1976
1977	141.70R	141.63R	141.66R	142.97R	142.11R	141.87R	---	142.61R	142.85R	---	---	---	---	1977
1982	---	---	---	---	142.82	142.63	142.53	142.37	142.54	142.56	142.46	142.56	---	1982
1983	142.56	142.46	142.13	142.81	143.81	142.84	142.56	142.24	141.81	142.19	142.85	142.36	142.61	1983
1984	142.43	142.29	142.11	143.26	142.80	142.63	142.52	142.81	142.50	142.24R	142.33R	142.43R	142.52R	1984
1985	142.26	142.21	142.13	142.48	142.84	142.68	142.55	142.49	142.41	142.74R	142.58R	142.27R	142.48R	1985
1986	142.48	142.19	142.26	143.16	142.83	142.68	142.52	142.65	142.73	142.33R	142.31R	142.41R	142.58R	1986
1987	142.27	142.15	142.15	143.03	142.87	142.73	142.55	142.45	142.34	---	---	---	---	1987
MOYEN	142.32R	142.19R	142.19R	143.12R	143.08R	142.81R	142.50R	142.38R	142.29R	142.38R	142.38R	142.40R	142.55R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 114.820 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 19 30 BASSIN VERSANT, 784 km²
LONG 73 23 30 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MASKINONGE (LAC) A SAINT GABRIEL DE BRANDON - STATION NO. 020C007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	144.88R LE 3 MAI	142.07R LE 20 SEP	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1982	---	---	---	1982
1983	---	145.00 LE 5 MAI *	141.88 LE 5 OCT *	1983
1984	---	144.18 LE 18 AVR	141.85 LE 22 MAR	1984
1985	---	144.15 LE 29 AVR	141.78 LE 28 MAR	1985
1986	---	143.85 LE 5 AVR	142.08 LE 25 FEV	1986
1987	---	144.26 LE 3 AVR	142.01 LE 19 MAR	1987

PLAN DE REFRENCE - ARBITRAIRT
AJOUTER 114.620 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

MASKINONGE (RIVIERE) AU BARRAGE DE SAINT-DIDALE - STATION NO. 020C006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	---	142.61	142.45	142.42	---	1977
1978	142.57	142.22	142.08	141.80	142.41	142.59	142.64	142.63	142.57	142.62	142.58	142.67	142.46	1978
1979	142.56	142.40	142.48	142.31	142.60	142.58	142.63	142.58	142.59	142.48	142.49	142.59	142.52	1979
1980	142.52	142.44	142.31	142.50	142.59	142.63	142.52	142.60	142.59	142.54	142.54	142.52	142.52	1980
1981	142.52	142.63	142.28	142.55	142.44	142.48	142.34	142.40	142.48	142.40	142.32	142.34	142.43	1981
1982	142.21	142.08	141.88	142.18	142.43	142.53	142.47	142.30	142.52	142.51	142.32	142.40	142.30	1982
1983	142.48	142.38	141.78	142.06	142.81	142.42	---	142.18	141.88	142.13	142.44	142.24	---	1983
1984	142.38	142.24	141.78	142.55	142.38	---	142.42	142.58	142.48	142.18R	142.31R	142.38R	---	1984
1985	142.21	142.20	141.82	141.89	142.45	142.67	142.63	142.45	142.39	142.71R	142.48R	142.17R	142.34R	1985
1986	142.42	142.09	142.15	142.51	142.51	142.62	142.58	142.63	142.43	142.23R	142.25R	142.37R	142.40R	1986
1987	142.22	142.10	142.00	142.57	142.61	142.81	142.59	142.38	142.28	---	---	---	---	1987
MOYEN	142.41	142.28	142.03	142.31	142.52	142.57	142.54	142.47	142.40	142.44R	142.43R	142.40R	142.42R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 19 45 BASSIN VERSANT, 836 km²
LONG 73 15 40 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MASKINONGE (RIVIERE) AU BARRAGE DE SAINT-DIDALE - STATION NO. 020C006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	143.05 LE 30 AVR	140.82 LE 7 AVR	1978
1979	---	143.65 LE 30 AVR *	141.71 LE 12 AVR	1979
1980	---	142.97 LE 13 AVR	142.13 LE 22 AVR	1980
1981	---	143.46 LE 7 AVR	141.72 LE 13 JUL	1981
1982	---	143.30 LE 29 AVR	141.51 LE 13 MAR	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	143.23 LE 29 AVR	140.80 LE 28 MAR *	1985
1986	---	142.82 LE 9 JUN	141.80R LE 7 OCT	1986
1987	---	143.33 LE 3 AVR	141.85 LE 26 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

MASSAWIPPI (LAC) A NORTH HATLEY - STATION NO. 020E045

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	180.96	180.85	---	181.13	181.00	180.46	180.58	180.77	180.82	180.71	180.58	180.70	---	1966
1967	180.81	180.78	180.88	181.21	180.81	180.74	180.63	180.83	180.48	180.81	180.49	180.80	180.69	1967
1968	180.47	180.55	180.87	180.98	180.72	180.53	180.58	180.83	180.15	180.37	180.71	180.87	180.65	1968
1969	180.72	180.49	180.38	181.38	181.13	180.83	180.68	180.87	180.44	180.80	180.87	180.80	180.76	1969
1970	180.61	180.87	180.38	181.21	181.12	180.84	180.56	180.58	180.67	180.73	180.71	180.58	180.70	1970
1971	180.62	180.43	180.48	181.18	181.14	180.82	180.81	180.72	180.84	180.82	180.82	180.84	180.70	1971
1972	180.81	180.58	180.87	181.15	181.32	180.75	180.87	180.80	180.64	180.68	180.72	180.80	180.76	1972
1973	180.84	180.84	181.24	180.81	180.83	180.88	180.87	180.82	180.88	180.87	180.73	180.95	180.86	1973
1974	180.78	---	---	181.27	181.17	180.85	180.87	180.70	180.73	180.70	180.82	180.78	---	1974
1975	180.89	180.83	180.76	181.03	180.81	---	---	180.87	---	180.83	180.85	---	---	1975
1976	---	180.84	---	181.08	180.84	180.78	---	---	---	180.73	180.74	180.81	---	1976
1977	---	180.35	180.82	181.04	---	---	180.88	180.80	180.70	180.88	180.88	180.88	---	1977
1978	---	---	---	181.18	180.83	---	---	---	---	180.73	---	180.88	---	1978
1979	180.84	180.81	181.08	181.04	180.75	---	---	---	---	---	---	---	---	1979
1980	---	180.22	---	---	---	180.88	180.82	180.84	180.87	180.83	180.74	180.72	---	1980
1981	---	---	180.72	180.84	180.78	180.83	180.81	180.74	180.81	180.78	180.81	180.70	---	1981
1982	---	180.78	---	---	180.81	180.87	180.85	180.58	180.34	180.45	180.78	180.70	---	1982
1983	180.89	180.84	180.78	181.18	181.15	180.87	180.78	180.72	180.73	180.71	180.84	---	---	1983
1984	180.80	180.86	180.73	181.00	180.84	180.88	180.85	180.71	180.80	180.89R	180.88R	180.78R	180.73R	1984
1985	180.84	180.48	180.81	181.12	180.85	180.75	180.87	180.82	---	180.81R	180.83R	180.83R	---	1985
1986	180.83	180.84	180.95	181.08	180.81	180.78	180.85	180.78	180.70	180.82R	180.71R	180.80R	180.78R	1986
1987	180.88	180.40	180.80	181.03	180.86	180.84	180.88	180.84	180.48	---	---	---	---	1987
MOYEN	180.87	180.80	180.78	181.10	180.83	180.74	180.87	180.88	180.81	180.88R	180.77R	180.78R	180.74R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 18 33
LONG 71 58 27

BASSIN VERSANT, 818 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MASSAWIPPI (LAC) A NORTH HATLEY - STATION NO. 020E045

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	181.83 LE 4 AVR	180.45 LE 7 SEP	1968
1969	---	181.83 LE 25 MAR	180.24 LE 3 OCT *	1969
1970	---	181.92 LE 12 AVR	180.31 LE 18 SEP	1970
1971	---	182.08 LE 20 AVR *	180.32 LE 22 MAR	1971
1972	---	181.80 LE 28 AVR	180.37 LE 3 MAR	1972
1973	---	181.88 LE 7 MAI	180.48 LE 21 FEV	1973
1974	---	181.77 LE 18 MAR	180.53 LE 29 OCT	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	181.47 LE 2 JUN	180.25 LE 13 FEV	1984
1985	---	---	---	1985
1986	---	181.88 LE 1 AVR	180.51 LE 16 JAN	1986
1987	---	181.75 LE 2 AVR	180.26 LE 7 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MASSAWIPPI (RIVIERE) PRES DE LA RIVIERE SAINT-FRANCOIS - STATION NO. 020E043

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	143.84	---	143.14	---	---	142.89	---	143.32	---	---	1984
1985	---	---	---	143.31	142.93	---	---	---	143.37	143.59	143.23	143.03	---	1985
1986	---	---	---	144.41	143.92	143.51	143.23	143.50	143.52	143.51	143.72	144.05	---	1986
1987	---	---	---	144.17	143.95	143.80	143.64	143.78	143.71	143.61	143.55	143.78	---	1987
1988	---	---	---	144.18	143.77	143.76	143.47	143.34	143.33	143.40	143.45	---	---	1988
1989	---	---	143.78	144.56	143.51	143.51	143.64	143.55	143.74	143.75	143.59	143.81	---	1989
1970	---	---	---	---	---	---	---	143.30	143.60	143.57	---	---	---	1970
1971	144.04	144.21	144.34	144.77	144.42	143.46	143.38	143.60	143.56	143.58	143.48	144.25	143.93	1971
1972	144.52	144.19	144.49	144.78	145.13	143.80	143.81	143.77	143.33	143.58	143.72	144.13	144.10	1972
1973	144.45	144.44	144.81	144.28	144.08	143.89	143.89	143.39	143.62	143.58	143.71	144.31	144.03	1973
1974	144.83	144.78	144.18	145.18	144.87	143.77	143.89	143.65	143.49	143.46	---	143.85	---	1974
1975	144.03	144.38	144.40	144.30	143.88	143.80	143.30	143.31	143.75	143.83	143.65	144.06	143.88	1975
1976	144.28	144.88	144.98	144.71	144.24	143.69	143.70	---	---	144.02	143.87	144.42	---	1976
1977	144.10	144.08	144.84	144.80	143.82	143.84	143.33	143.28	143.53	144.27	144.06	144.11	143.92	1977
1978	---	144.40	144.18	144.98	144.08	143.84	143.43	143.27	143.26	143.41	143.68	144.21	---	1978
1979	145.47	145.23	145.40	144.34	143.76	143.72	143.20	143.21	143.43	143.51	143.64	144.03	144.07	1979
1980	144.44	144.04	---	143.88	143.87	143.39	143.34	143.42	143.53	143.78	143.82	144.28	---	1980
1981	144.30	144.82	143.60	144.09	143.66	143.71	143.44	143.80	143.58	144.08	143.80	143.59	143.87	1981
1982	144.54	144.55	---	---	144.02	143.49	---	---	---	---	---	---	---	1982
MOYEN	144.45	144.49	144.44	144.39	143.98	143.62	143.50	143.49	143.49	143.70	143.58	143.98	143.97	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 22 00
LONG 71 51 03

BASSIN VERSANT, 1 700 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MASSAWIPPI (RIVIERE) PRES DE LA RIVIERE SAINT-FRANCOIS - STATION NO. 020E043

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	146.45 LE 5 MAI	143.11 LE 13 NOV	1971
1972	---	147.75 LE 5 MAI	143.22 LE 3 SEP	1972
1973	---	146.26 LE 13 MAR	143.22 LE 26 AOU	1973
1974	---	---	---	1974
1975	---	146.80 LE 21 AVR	143.07 LE 26 AOU	1975
1976	---	---	---	1976
1977	---	146.64 LE 15 MAR	143.12 LE 5 AOU	1977
1978	---	---	---	1978
1979	---	147.79 LE 7 MAR *	142.85 LE 2 AOU *	1979
1980	---	---	---	1980
1981	---	146.95 LE 26 OCT	142.87 LE 26 DEC	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MASSON (LAC) AU BARRAGE MASSON - STATION NO. 02LC008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	335.24	335.14	334.63	334.82	335.18	335.28	335.13	335.04	334.75	334.65	334.53	334.84	334.85	1967
1968	334.85	334.65	334.57	334.55	334.83	335.11	335.24	335.12	335.01	334.74	334.47	334.51	334.83	1968
1969	334.62	334.64	333.93	334.62	335.08	335.13	335.23	335.27	335.21	335.18	335.11	335.14	334.93	1969
1970	335.02	334.88	334.70	334.49	335.01	335.24	335.14	335.00	334.90	334.85	335.07	335.30	334.97	1970
1971	335.19	334.93	334.69	334.52	334.92	335.13	335.10	335.08	335.08	335.11	335.13	335.24	335.01	1971
1972	335.27	335.25	335.29	334.94	335.18	335.21	335.29	335.23	334.89	334.71	335.08	334.84	335.08	1972
1973	334.85	334.77	334.63	334.64	335.00	335.17	335.23	335.22	335.08	335.09	335.19	335.25	335.01	1973
1974	335.14	335.24	335.13	334.91	335.18	335.27	335.23	335.21	334.98	335.01	335.14	335.13	335.13	1974
1975	---	335.10	---	334.47	334.85	335.20	335.10	334.81	334.38	334.23	334.62	335.05	---	1975
1976	335.22	335.18	334.67	334.78	335.09	335.22	335.19	335.18	335.18	335.05	334.81	334.94	335.04	1976
1977	334.84	334.91	334.62	334.72	335.08	335.12	335.21	335.11	335.05	335.19	335.21	335.17	335.03	1977
1978	335.07	334.82	334.59	334.86	335.07	335.11	335.16	335.03	334.95	334.95	334.89	335.15	334.99	1978
1979	335.18	335.09	335.03	335.09	335.10	---	---	---	334.89	335.20	335.17	335.17	---	1979
1980	335.00	334.82	334.73	334.98	335.17	335.23	335.23	---	334.41	334.11	334.23	334.34	---	1980
1981	334.30	334.48	334.81	---	---	335.13	335.07	335.16	335.22	335.25	335.18	334.80	---	1981
1982	334.70	334.71	334.68	334.70	---	335.04	335.07	334.88	334.95	335.02	335.18	335.18	---	1982
1983	335.00	334.85	334.93	335.11	335.15	335.18	335.09	335.00	334.88	334.95	335.20	335.15	335.05	1983
1984	335.03	335.00	334.85	334.97	335.17	335.21	335.19	335.15	335.09	335.02R	335.14R	335.23R	335.09R	1984
1985	335.09	334.96	334.89	334.85	335.23	335.25	335.19	335.09	335.02	335.15R	335.21R	335.15R	335.09R	1985
1986	335.02	334.98	334.91	335.01	335.24	335.15	335.08	335.12	335.02	334.82R	334.98R	335.20R	335.04R	1986
1987	335.20	335.14	335.08	335.12	---	335.25	335.19	335.05	335.01	---	---	---	---	1987
MOYEN	335.00	334.85	334.78	334.81	335.08	335.18	335.17	335.09	334.94	334.92R	334.98R	335.04R	335.02R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 01 50 BASSIN VERSANT, 32.6 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1988
LONG 74 03 23 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MASSON (LAC) AU BARRAGE MASSON - STATION NO. 02LC008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	335.38 LE 18 JUN	334.44 LE 2 NOV	1967
1968	---	335.28 LE 10 JUL	334.43 LE 22 MAR	1968
1969	---	335.28 LE 1 AOU	333.87 LE 1 MAR *	1969
1970	---	335.31 LE 8 DEC	334.30 LE 15 AVR	1970
1971	---	335.30 LE 17 DEC	334.42 LE 9 AVR	1971
1972	---	335.49 LE 17 JUL *	334.40 LE 19 SEP	1972
1973	---	335.35 LE 8 DEC	334.43 LE 13 AVR	1973
1974	---	335.37 LE 13 MAI	334.78 LE 13 AVR	1974
1975	---	---	---	1975
1976	---	335.33 LE 21 MAI	334.48 LE 18 MAR	1976
1977	---	335.27 LE 4 JUL	334.28 LE 28 MAR	1977
1978	---	335.25 LE 30 JUN	334.48 LE 13 MAR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	335.40 LE 18 AVR	334.80 LE 17 MAR	1983
1984	---	335.28 LE 18 AVR	334.88 LE 3 AVR	1984
1985	---	335.27 LE 21 MAI	334.71 LE 31 MAR	1985
1986	---	335.32 LE 13 SEP	334.77R LE 10 OCT	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

MATAMEC (RIVIERE) - STATION NO. 02UC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	27.39	27.77	27.48	---	1982
1983	27.28	27.30	27.28	28.28	28.85	27.93	27.33	27.21	27.47	27.69	27.56	27.59	27.65	1983
1984	27.28	27.14	27.14	27.83	28.93	28.22	27.77	27.42	27.35	27.49R	27.44R	27.40R	27.59R	1984
1985	27.19	27.08	27.07	27.10	28.25	28.18	27.78	27.56	27.21	27.83R	27.46R	27.24R	27.49R	1985
1986	27.18	27.24	27.12	27.42	28.79	27.86	---	---	---	---	---	---	---	1986
MOYEN	27.22	27.18	27.15	27.88	28.71	28.04	27.83	27.40	27.34	27.60R	27.56R	27.43R	27.58R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 50 20 30 BASSIN VERSANT, 458 km²
LONG 68 58 19 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MATAMEC (RIVIERE) - STATION NO. 02UC005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	28.68 LE 29 AVR *	27.14 LE 10 MAR	1983
1984	---	29.29 LE 26 MAI	27.12 LE 24 FEV	1984
1985	---	28.11 LE 24 MAI	27.05 LE 11 FEV *	1985
1986	---	---	---	1986

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MATANE (LAC) - STATION NO. 02OB009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	26.89	27.11	27.04	---	1982
1983	26.87	26.93	26.86	27.30	27.77	28.82	28.38	27.09	26.44	26.84	27.12	27.07	27.32	1983
1984	26.87	26.96	26.86	27.16	27.69	28.77	28.80	28.60	28.70	28.98R	27.11R	27.05R	27.48R	1984
1985	26.96	26.93	26.82	26.86	27.79	28.78	28.60	28.39	27.10	27.05R	27.03R	26.87R	27.48R	1985
1986	26.86	26.89	26.86	27.29	27.68	28.77	28.77	28.69	27.46	27.05R	27.04R	26.87R	27.59R	1986
1987	26.93	26.91	26.83	27.33	27.83	28.76	28.75	27.90	27.01	---	---	---	---	1987
MOYEN	26.98	26.94	26.85	27.22	27.73	28.76	28.70	28.13	26.94	27.00R	27.08R	27.02R	27.46R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 41 25 BASSIN VERSANT, 147 km²
LONG 66 58 28 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MATANE (LAC) - STATION NO. 02OB009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	29.03 LE 9 JUN *	26.34 LE 22 SEP	1983
1984	---	28.98 LE 14 JUL	25.87 LE 21 SEP *	1984
1985	---	29.02 LE 4 JUN	26.91 LE 5 MAR	1985
1986	---	28.86 LE 6 AOU	26.90 LE 24 SEP	1986
1987	---	29.03 LE 30 JUN	26.90 LE 12 FEV	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MATANE (RIVIERE) AU RESERVOIR MATHIEU-D'ANOURS - STATION NO. 02OB008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	46.80	45.69	45.69	---	1982
1983	45.67	45.69	45.66	46.19	46.35	47.27	48.05	48.12	48.11	48.89	45.73	45.66	46.82	1983
1984	45.72	45.74	45.75	46.15	46.45	47.10	48.09	48.10	48.08	48.74R	45.88R	45.83R	46.61R	1984
1985	45.85	45.73	45.61	45.85	46.84	48.07	48.15	48.11	48.08	---	---	45.58R	---	1985
1986	45.68	45.78	45.76	46.38	46.01	47.52	48.14	48.15	48.17	47.46R	45.83R	45.84R	46.70R	1986
1987	45.70	45.81	45.78	---	45.81	48.02	48.12	48.13	48.10	---	---	---	---	1987
MOYEN	45.71	45.73	45.72	46.15	46.25	47.80	48.11	48.12	48.11	48.95R	45.88R	45.84R	46.84R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER -42.676 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 50 45 BASSIN VERSANT, 1 690 km²
LONG 67 31 52 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MATANE (RIVIERE) AU RESERVOIR MATHIEU-D'AMOURS - STATION NO. 0205004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	48.31 LE 12 SEP	45.48 LE 9 FEV	1983
1984	---	48.34 LE 20 JUN	45.47R LE 8 DEC	1984
1985	---	---	---	1985
1986	---	48.38 LE 13 SEP *	45.40 LE 8 JAN *	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER -42.678 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

MATAPEDIA (LAC) A VAL-BRILLANT - STATION NO. 0180004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	48.59	48.69	48.63	---	1982
1983	48.63	48.78	48.77	48.42	50.32	49.25	48.80	48.67	48.84	---	---	---	---	1983
MOYEN	48.63	48.78	48.77	48.42	50.32	49.25	48.80	48.67	48.84	48.59	48.69	48.63	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 107.807 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 32 02
LONG 67 32 44
BASSIN VERSANT, 556 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MATAPEDIA (LAC) A VAL-BRILLANT - STATION NO. 0180004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	50.99 LE 6 MAI *	48.60 LE 8 SEP *	1983

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 107.807 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MATAPEDIA (RIVIERE) PRES DE AMQUI - STATION NO. 0180004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	---	---	---	---	---	---	47.80	47.83	---	---	1983
1984	---	47.90	47.90	48.22	48.54	48.05	48.09	48.00	47.90	47.80R	47.96R	48.12R	---	1984
1985	47.96	47.83	47.82	47.92	48.77	48.33	48.13	47.95	47.84	47.94R	47.91R	47.81R	48.03R	1985
1986	47.88	47.86	47.86	48.50	48.67	48.31	48.13	48.05	48.15	48.09R	48.09R	48.00R	48.18R	1986
1987	47.90	47.82	47.78	48.82	---	---	---	---	---	---	---	---	---	1987
MOYEN	47.91	47.88	47.84	48.32	48.08	48.43	48.12	48.00	47.95	47.91R	47.96R	48.01R	48.10R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 108.682 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 28 30
LONG 67 27 00
BASSIN VERSANT, 558 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MATAPEDIA (RIVIERE) PRES DE AMQUI - STATION NO. 0180004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	48.88 LE 14 MAI	47.78 LE 24 SEP *	1985
1986	---	49.26 LE 3 MAI *	47.83 LE 18 MAR	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 108.682 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MATAWIN (RIVIERE) AU RESERVOIR MATAWIN - STATION NO. 02NF002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1930	---	---	---	---	---	---	---	---	---	---	---	348.26	---	1930
1931	349.40	348.52	348.78	350.22	355.85	358.14	358.85	357.34	354.80	355.43	356.25	356.37	354.28	1931
1932	355.58	355.00	350.27	350.80	356.82	357.38	357.98	358.85	358.91	358.93	358.84	356.17	356.47	1932
1933	357.67	356.43	355.13	353.11	357.80	358.72	358.45	353.85	353.58	353.46	353.84	352.14	355.18	1933
1934	350.45	348.96	347.95	347.29	357.88	358.95	358.90	357.77	356.91	356.98	357.40	357.57	354.66	1934
1935	356.05	353.47	350.34	347.32	355.10	357.55	358.87	358.04	355.84	357.28	358.27	357.90	355.61	1935
1936	355.88	353.20	351.01	355.17	356.53	358.80	358.84	358.11	356.05	358.74	358.88	358.42	356.96	1936
1937	356.27	355.86	351.59	346.83	356.04	358.47	358.19	357.09	355.44	355.76	357.47	356.11	355.79	1937
1938	356.00	353.10	350.51	350.88	356.40	359.00	358.68	358.21	356.91	356.93	356.67	357.70	356.62	1938
1939	356.63	353.76	350.53	346.43	354.73	358.95	359.04	359.04	358.67	358.74	358.85	356.86	356.13	1939
1940	356.08	355.25	350.77	348.42	354.77	358.88	358.94	357.43	355.04	354.82	355.05	355.88	355.00	1940
1941	355.05	352.55	349.89	348.28	356.88	357.01	357.94	357.07	357.18	356.41	359.04	356.87	355.71	1941
1942	356.00	355.25	351.16	347.80	357.21	359.01	358.85	356.82	354.94	354.99	356.64	357.46	356.86	1942
1943	354.84	352.18	349.45	345.37	354.62	359.01	359.05	358.04	356.89	357.25	356.33	357.82	355.47	1943
1944	356.15	353.37	349.58	343.72	352.56	356.04	357.48	356.16	356.17	356.89	357.26	357.22	354.56	1944
1945	355.41	352.31	349.80	355.32	356.68	358.90	357.68	357.70	356.47	356.12	357.81	357.53	356.51	1945
1946	355.08	353.31	350.22	351.96	356.46	358.02	357.14	356.67	355.11	354.75	356.74	356.72	355.21	1946
1947	355.12	352.84	349.89	350.26	357.76	359.02	358.93	358.59	358.11	358.28	356.82	354.33	355.86	1947
1948	352.48	350.61	348.34	348.80	355.61	357.31	357.28	357.01	354.83	353.51	353.22	353.09	353.50	1948
1949	351.79	350.12	347.88	348.53	356.70	356.52	358.44	357.22	355.67	355.07	354.69	352.86	354.06	1949
1950	352.83	350.78	348.50	347.50	355.13	358.67	358.70	358.78	355.07	353.68	353.83	354.91	353.88	1950
1951	353.38	350.82	348.38	350.80	356.81	358.78	358.83	357.89	356.48	355.74	356.13	357.18	355.28	1951
1952	355.48	352.13	348.45	347.52	357.16	359.04	358.91	358.95	358.02	356.35	354.88	356.08	355.27	1952
1953	355.03	353.11	350.20	355.72	356.86	358.85	358.54	357.10	354.88	353.67	352.02	351.91	355.03	1953
1954	351.02	349.57	347.09	348.30	357.75	359.02	358.79	358.28	358.42	358.78	358.55	358.10	355.34	1954
1955	356.88	353.14	348.85	348.23	356.38	358.73	358.05	357.33	356.07	354.93	354.55	353.33	354.95	1955
1956	351.77	349.83	348.14	348.53	353.28	357.84	358.50	358.32	358.81	358.38	357.28	356.58	354.62	1956
1957	355.28	353.12	349.88	347.22	353.10	354.88	357.96	358.47	357.46	357.83	358.90	358.51	355.26	1957
1958	356.26	355.82	351.83	349.53	356.06	358.01	358.88	358.61	356.79	356.94	358.59	357.76	356.79	1958
1959	356.33	353.17	350.27	348.58	355.92	357.88	358.84	358.87	358.71	358.14	358.87	358.83	356.33	1959
1960	357.80	355.83	352.72	351.00	356.27	358.68	358.64	358.41	357.24	356.43	356.13	356.21	356.46	1960
1961	354.35	352.29	349.74	348.83	354.61	357.73	356.15	358.30	358.09	356.81	355.35	355.25	354.74	1961
1962	354.54	352.62	349.80	348.05	357.25	358.83	358.28	358.17	358.06	358.29	358.13	357.15	355.88	1962
1963	355.08	352.73	349.81	348.31	354.57	357.06	357.49	356.78	357.37	358.19	358.40	358.81	355.23	1963
1964	356.78	353.93	350.08	347.74	355.20	357.88	357.71	357.55	357.67	357.35	356.92	356.33	355.43	1964
1965	355.56	353.04	349.88	345.88	353.81	357.78	357.60	357.58	358.12	358.90	358.90	357.77	355.40	1965
1966	356.37	354.31	351.47	349.87	356.22	358.87	358.85	358.90	358.67	357.72	356.15	356.93	356.58	1966
1967	356.12	355.60	351.58	347.64	355.32	356.89	358.89	358.04	357.06	358.13	358.96	358.17	356.37	1967
1968	355.88	354.15	350.77	350.80	357.37	358.04	357.06	356.75	356.83	356.55	356.93	356.58	355.83	1968
1969	354.51	351.84	348.20	348.05	357.01	358.88	358.31	357.81	357.75	358.09	358.58	358.33	355.72	1969
1970	356.52	353.89	350.91	346.88	357.85	358.00	358.84	358.72	358.81	358.81	358.77	358.16	358.40	1970
1971	355.73	353.04	349.79	348.89	356.26	358.49	358.07	357.40	357.61	357.55	356.99	356.81	355.31	1971
1972	353.89	352.34	349.62	344.67	355.25	358.69	358.89	358.70	358.51	358.72	358.59	356.79	355.37	1972
1973	355.63	354.11	352.05	351.46	356.29	358.77	358.72	358.75	358.61	358.28	357.70	357.18	356.63	1973
1974	356.62	354.35	351.33	349.08	358.17	358.87	358.84	357.89	356.83	356.82	356.58	356.88	356.91	1974
1975	354.84	350.95	348.52	344.83	356.83	358.80	357.82	357.77	357.88	358.37	358.85	357.22	355.07	1975
1976	354.86	353.52	351.26	352.54	358.18	358.79	358.86	358.76	357.76	357.86	357.37	356.55	356.18	1976
1977	352.11	348.48	345.53	348.36	357.24	358.28	358.82	358.47	358.36	358.20	357.14	354.85	354.74	1977
1978	351.58	348.31	344.83	345.73	356.33	358.73	358.38	357.98	357.27	357.18	357.16	355.24	354.11	1978
1979	352.33	348.38	344.88	352.83	358.72	358.84	358.84	358.31	358.61	358.89	358.37	358.43	355.84	1979
1980	356.80	353.52	347.01	347.42	354.78	356.35	357.01	357.58	357.48	358.70	358.72	357.21	355.23	1980
1981	354.07	350.48	348.22	354.35	358.53	358.59	358.48	357.63	357.44	357.88	358.16	357.19	355.82	1981
1982	354.72	350.00	342.10	348.16	356.72	358.34	358.10	358.10	358.35	357.84	357.73	358.48	354.74	1982
1983	---	---	348.28	348.28	---	---	358.41	---	357.49	---	---	---	---	1983
1984	356.89	352.94	348.34	348.72	---	358.51	358.67	358.84	358.02	357.75	357.74	357.78	---	1984
1985	355.78	352.31	348.76	348.48	356.48	358.38	358.50	358.08	357.68	357.76	357.42	356.87	356.40	1985
1986	354.10	351.11	347.77	---	357.98	358.40	---	358.54	358.81	358.45	---	356.74R	---	1986
1987	354.33	351.32	347.88	352.56	354.98	356.88	358.07	358.48	358.30	358.85	358.28	357.95	356.83	1987
MOYEN	355.02	352.81	348.37	348.85	356.50	358.30	358.33	357.91	357.34	357.25	357.26	356.62R	355.48	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 51 48
LONG 73 39 30

BASSIN VERSANT, 4 070 Km²
REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MATAWIN (RIVIERE) AU RESERVOIR MATAWIN - STATION NO. 02NF002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1930	---	---	---	1930
1931	---	359.05 LE 6 JUL	348.05 LE 3 AVR	1931
1932	---	359.08 LE 9 OCT	348.86 LE 19 MAR	1932
1933	---	359.10 LE 9 JUN	351.29 LE 31 DEC	1933
1934	---	359.05 LE 11 JUN	344.30 LE 14 AVR	1934
1935	---	358.93 LE 13 JUL	344.13 LE 13 AVR	1935
1936	---	359.05 LE 20 OCT	349.85 LE 17 MAR	1936
1937	---	358.75 LE 3 DEC	346.01 LE 6 AVR	1937
1938	---	359.07 LE 5 NOV	348.48 LE 31 MAR	1938
1939	---	359.11 LE 30 JUN	344.57 LE 20 AVR	1939
1940	---	359.05 LE 10 JUN	344.57 LE 18 AVR	1940
1941	---	359.07 LE 4 NOV	345.88 LE 13 AVR	1941
1942	---	359.05 LE 1 JUL	346.26 LE 18 AVR	1942
1943	---	359.05 LE 18 JUN	343.10 LE 24 AVR	1943
1944	---	358.78 LE 13 AOU	341.56 LE 23 AVR	1944
1945	---	359.07 LE 18 MAI	348.28 LE 28 MAR	1945
1946	---	358.43 LE 5 JUN	341.56 LE 3 JAN	1946
1947	---	359.07 LE 5 JUN	346.54 LE 7 AVR	1947
1948	---	357.62 LE 11 JUL	344.54 LE 7 AVR	1948
1949	---	358.86 LE 2 JUL	345.17 LE 5 AVR	1949
1950	---	359.07 LE 17 JUN	344.56 LE 12 AVR	1950
1951	---	359.07 LE 2 JUN	346.31 LE 3 AVR	1951
1952	---	359.05 LE 28 MAI	344.12 LE 15 AVR	1952
1953	---	359.07 LE 29 MAI	348.02 LE 25 MAR	1953
1954	---	359.05 LE 28 MAI	343.52 LE 5 AVR	1954
1955	---	359.05 LE 18 MAI	345.89 LE 14 AVR	1955
1956	---	359.82 LE 8 SEP *	348.21 LE 11 AVR	1956
1957	---	359.05 LE 4 AOU	346.28 LE 18 AVR	1957
1958	---	359.05 LE 28 JUL	346.95 LE 15 AVR	1958
1959	---	359.20 LE 18 AOU	348.48 LE 14 AVR	1959
1960	---	359.05 LE 21 MAI	345.35 LE 13 AVR	1960
1961	---	358.88 LE 19 AOU	341.88 LE 17 AVR	1961
1962	---	359.05 LE 5 JUN	346.78 LE 5 AVR	1962
1963	---	359.05 LE 4 DEC	342.90 LE 15 AVR	1963
1964	---	358.48 LE 24 JUN	343.54 LE 14 AVR	1964
1965	---	359.04 LE 23 OCT	343.05 LE 12 AVR	1965
1966	---	359.07 LE 18 JUN	347.29 LE 14 AVR	1966
1967	---	359.10 LE 10 JUL	346.28 LE 14 AVR	1967
1968	---	358.47 LE 4 JUN	348.13 LE 10 AVR	1968
1969	---	359.05 LE 2 JUN	345.40 LE 27 MAR	1969
1970	---	359.05 LE 3 JUN	343.77 LE 11 AVR	1970
1971	---	358.78 LE 28 MAI	343.80 LE 9 AVR	1971
1972	---	358.95 LE 14 AOU	341.89 LE 18 AVR	1972
1973	---	358.98 LE 31 MAI	348.75 LE 16 AVR	[illegible]73
1974	---	358.98 LE 13 JUN	348.82 LE 14 AVR	974
1975	---	358.98 LE 7 NOV	341.98 LE 18 AVR	1975
1976	---	359.06 LE 20 MAI	350.12 LE 29 MAR	1976
1977	---	358.78 LE 8 JUL	343.48 LE 31 MAR	1977
1978	---	359.02 LE 27 JUN	343.49 LE 11 AVR	1978
1979	---	359.03 LE 13 JUN	344.07 LE 22 MAR	1979
1980	---	358.98 LE 13 NOV	341.22 LE 31 MAR	1980
1981	---	358.91 LE 14 MAI	348.80 LE 19 MAR	1981
1982	---	358.80 LE 7 DEC	340.09 LE 18 MAR *	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	358.74 LE 27 JUN	344.87 LE 9 AVR	1985
1986	---	---	---	1986
1987	---	358.84 LE 14 OCT	348.10 LE 25 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MCDONALD (LAC) A LAKEVIEW - STATION NO. 02LC033

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	---	---	8.78	8.82	---	9.18	---	1966
1967	---	8.96	8.94	9.37	9.18	---	---	---	8.88	9.08	9.23	9.12	---	1967
1968	9.05	9.02	9.06	9.41	9.07	8.96	8.92	8.83	8.83	8.86	8.86	8.89	8.99	1968
1969	8.96	9.00	8.96	9.41	---	---	8.89	---	8.92	8.91	9.11	9.12	---	1969
1970	---	9.04	9.02	9.25	9.34	---	---	8.88	8.82	---	9.03	9.02	---	1970
1971	8.88	8.85	8.88	9.13	9.37	8.92	---	---	8.84	8.84	8.83	9.07	---	1971
1972	9.00	8.96	8.96	---	---	---	---	---	---	---	---	---	---	1972
MOYEN	8.97	8.97	8.97	9.31	9.24	8.94	8.91	8.85	8.88	8.92	9.01	9.08	8.99	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 52 42 BASSIN VERSANT, 202 km²
LONG 74 34 04 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MCDONALD (LAC) A LAKEVIEW - STATION NO. 02LC033

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	8.58 LE 6 AVR *	5.79 LE 5 NOV *	1988
1989	---	---	---	1989
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MEGANTIC (LAC) A MEGANTIC - STATION NO. 02PJ001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	48.19	48.55	48.87	---	1982
1983	48.77	48.40	48.25	48.73	48.75	48.77	48.72	48.69	48.72	48.38	48.35	48.70	48.60	1983
1984	48.62	48.63	48.35	48.64	48.70	48.73	48.75	48.65	48.64	47.96R	48.07R	48.59R	48.51R	1984
1985	48.70	48.55	48.50	48.50	48.74	48.72	48.72	48.70	48.71	48.11R	48.47R	48.68R	48.59R	1985
1986	48.79	48.71	48.11	48.69	48.71	48.73	48.72	48.79	48.76	48.26R	48.19R	48.65R	48.59R	1986
1987	48.64	48.54	48.40	48.76	48.84	48.77	48.70	48.54	48.33	---	---	---	---	1987
MOYEN	48.70	48.57	48.32	48.62	48.75	48.74	48.73	48.67	48.61	48.19R	48.33R	48.72R	48.57R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 346.027 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 34 27 BASSIN VERSANT, 775 km²
LONG 70 53 05 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MEGANTIC (LAC) A MEGANTIC - STATION NO. 02PJ001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	49.24 LE 4 MAI	47.98 LE 25 OCT	1983
1984	---	49.28 LE 1 JUN	47.76 LE 5 AVR *	1984
1985	---	49.06 LE 2 JAN	47.93 LE 29 MAR	1985
1986	---	49.32 LE 3 AVR	47.94 LE 15 MAR	1986
1987	---	49.49 LE 2 AVR *	48.13 LE 30 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 346.027 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MEMPHREMAGOG (LAC) A MAGOG - STATION NO. 020E012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1920	---	---	---	---	---	---	---	207.844	207.748	207.838	207.836	207.988	---	1920
1921	207.832	207.822	207.883	208.025	207.837	207.724	207.505	207.218	206.873	206.839	207.019	207.489	207.504	1921
1922	207.554	207.487	207.748	208.401	208.075	208.159	207.921	207.780	207.660	207.394	207.198	207.108	207.708	1922
1923	207.184	207.158	207.102	207.889	208.173	208.134	207.989	207.771	207.661	207.562	207.785	208.008	207.703	1923
1924	208.022	207.831	207.844	207.976	208.112	208.039	207.935	207.864	208.004	207.880	207.768	207.970	207.910	1924
1925	207.848	208.008	207.825	208.010	208.035	207.843	207.831	207.685	207.629	207.891	208.089	207.800	207.927	1925
1926	207.875	208.027	207.906	207.836	208.105	207.989	207.849	207.801	207.810	207.787	207.925	207.841	207.875	1926
1927	207.739	207.825	207.883	208.025	208.084	207.951	207.739	207.588	207.377	207.285	208.338	208.088	207.810	1927
1928	208.031	207.988	207.867	208.179	208.088	208.021	207.851	207.858	207.848	207.893	207.833	207.884	207.913	1928
1929	207.848	207.780	207.880	208.138	208.104	208.012	207.839	207.859	207.800	207.365	207.378	207.543	207.758	1929
1930	207.818	207.881	207.908	207.988	208.085	208.030	207.885	207.838	207.318	207.218	207.388	207.380	207.708	1930
1931	207.320	207.288	207.255	208.085	208.125	208.037	207.787	207.648	207.783	207.888	207.887	207.908	207.778	1931
1932	208.042	207.887	207.883	208.124	208.123	207.918	207.888	207.868	207.828	207.788	208.084	207.887	207.818	1932
1933	208.084	207.984	207.873	208.394	208.118	207.881	207.811	207.695	207.321	207.091	207.131	207.234	207.882	1933
1934	207.344	207.362	207.402	208.122	208.128	207.908	207.780	207.690	207.310	207.103	207.187	207.880	207.885	1934
1935	207.822	207.787	207.728	207.841	208.072	208.018	207.874	207.883	207.618	207.385	207.386	207.847	207.728	1935
1936	207.884	207.828	208.008	208.183	208.044	207.878	207.741	207.883	207.818	207.787	208.028	208.040	207.847	1936
1937	208.042	207.987	207.917	208.047	208.130	208.028	207.856	207.888	207.421	207.314	207.721	207.881	207.831	1937
1938	207.738	207.933	208.048	208.118	208.089	207.988	207.862	207.727	207.703	207.788	207.884	207.884	207.885	1938
1939	207.883	207.858	207.808	207.809	208.253	208.051	207.880	207.808	207.827	207.548	207.782	207.770	207.880	1939
1940	207.752	207.818	207.428	207.848	208.289	208.018	207.843	207.805	207.454	207.483	207.737	207.828	207.744	1940
1941	208.134	207.925	207.875	207.939	207.888	207.780	207.824	207.432	207.328	207.336	207.747	207.842	207.720	1941
1942	207.982	207.785	207.728	208.141	208.085	208.068	207.883	207.802	207.452	207.548	207.982	208.087	207.855	1942
1943	207.987	207.785	207.827	207.758	208.087	208.101	208.020	207.884	207.908	207.872	208.008	208.040	207.928	1943
1944	207.889	207.707	207.477	207.884	208.104	207.884	207.909	207.882	207.498	207.888	207.841	207.771	207.780	1944
1945	207.883	207.747	207.988	208.307	208.274	208.113	208.021	207.781	207.638	208.088	208.047	207.985	207.988	1945
1946	207.982	207.812	207.818	207.980	208.041	207.885	207.708	207.651	207.181	207.330	207.708	207.987	207.751	1946
1947	208.085	208.083	207.818	207.971	208.078	207.983	207.888	207.885	207.552	207.255	207.148	207.230	207.782	1947
1948	207.177	207.173	207.470	208.085	208.089	207.158	207.807	207.828	207.447	207.287	207.484	207.617	207.818	1948
1949	208.072	207.938	207.988	208.154	208.014	207.144	207.724	207.474	207.408	207.377	207.804	207.772	207.789	1949
1950	208.096	207.879	207.741	208.123	208.088	207.880	207.742	207.805	207.887	207.571	207.710	208.080	207.883	1950
1951	207.890	207.783	207.715	208.208	208.090	207.887	208.010	207.885	207.553	207.383	207.851	207.858	207.821	1951
1952	208.008	208.028	207.828	208.135	208.045	208.105	207.878	207.582	207.388	207.318	207.284	207.510	207.752	1952
1953	207.810	208.005	208.105	208.148	208.071	207.824	207.708	207.817	207.408	207.210	207.147	207.462	207.706	1953
1954	207.548	207.454	207.947	208.285	208.128	208.085	207.909	207.802	207.905	208.080	207.818	208.018	207.924	1954
1955	207.975	207.888	207.643	208.089	208.034	207.917	207.848	207.514	207.433	207.183	207.371	207.483	207.859	1955
1956	207.470	207.486	207.314	207.781	208.078	207.883	207.813	207.582	207.440	207.400	207.348	207.642	207.803	1956
1957	207.680	207.623	207.581	207.848	208.070	207.894	207.880	207.790	207.476	207.318	207.428	207.980	207.729	1957
1958	208.040	207.886	207.634	208.038	208.077	207.871	207.851	207.878	207.707	207.808	207.811	207.727	207.877	1958
1959	207.515	207.490	207.284	208.068	208.053	207.902	207.787	207.840	207.487	207.584	208.082	208.148	207.784	1959
1960	207.888	207.778	207.414	208.112	208.094	207.892	207.783	207.804	207.381	207.387	207.820	207.828	207.724	1960
1961	207.580	207.474	207.788	207.911	208.084	208.028	207.838	207.838	207.478	207.181	207.184	207.484	207.884	1961
1962	207.814	207.452	207.225	207.970	207.880	207.785	207.577	207.905	207.858	208.005	208.032	207.907	207.778	1962
1963	207.727	207.523	207.224	208.085	208.017	207.841	207.748	207.788	207.727	207.481	207.455	207.573	207.882	1963
1964	207.447	207.358	207.846	207.981	208.011	207.787	207.474	207.373	207.274	207.138	207.241	207.385	207.506	1964
1965	207.818	207.520	207.383	207.584	207.905	207.783	207.684	207.609	207.572	207.834	207.808	207.883	207.682	1965
1966	207.788	207.618	207.727	207.783	207.874	207.780	207.536	207.518	207.348	207.151	207.205	207.534	207.572	1966
1967	207.545	207.451	207.258	207.808	207.987	207.883	207.841	207.708	207.488	207.587	207.828	207.888	207.884	1967
1968	207.714	207.517	207.485	207.908	207.978	207.878	207.854	207.573	207.223	207.084	207.088	207.578	207.573	1968
1969	207.529	207.395	207.183	208.015	208.101	207.825	207.981	207.962	207.859	207.575	207.754	207.853	207.759	1969
1970	207.521	207.340	207.185	207.889	208.072	207.888	207.888	207.800	207.808	207.803	207.808	207.848	207.887	1970
1971	207.510	207.232	207.182	207.538	208.141	207.821	207.780	207.810	207.849	207.715	207.442	207.387	207.633	1971
1972	207.381	207.088	207.111	207.511	208.184	208.020	207.832	207.888	207.638	207.524	207.894	207.821	207.850	1972
1973	207.867	207.851	207.717	207.980	208.091	208.031	208.004	207.710	207.780	207.854	207.745	207.887	207.885	1973
1974	207.888	207.808	207.587	207.905	208.157	208.015	207.892	207.802	207.521	207.378	207.484	207.848	207.785	1974
1975	207.534	207.250	207.200	207.484	207.821	207.822	207.582	207.582	207.588	207.785	207.887	207.731	207.813	1975
1976	207.428	207.410	207.523	208.124	207.885	207.850	207.708	207.783	207.581	207.732	207.758	207.884	207.885	1976
1977	207.403	207.084	207.387	207.784	207.887	207.489	207.438	207.337	207.620	207.908	207.811	207.784	207.563	1977
1978	207.784	207.408	207.087	207.881	207.939	207.845	207.708	207.881	207.378	207.345	207.387	207.320	207.548	1978
1979	207.539	207.208	207.489	207.904	207.812	207.838	207.837	207.848	207.583	207.387	207.588	207.720	207.803	1979
1980	207.848	207.357	207.259	207.802	207.874	207.803	207.885	207.578	207.521	207.557	207.808	207.887	207.845	1980
1981	207.494	207.578	207.780	207.844	207.880	207.915	207.848	207.712	207.688	207.807	207.813	207.825	207.771	1981
1982	207.598	207.218	207.135	207.887	208.081	207.788	207.852	207.485	207.441	207.394	207.588	207.730	207.587	1982
1983	207.737	207.813	207.514	208.021	208.121	207.888	207.880	207.530	207.401	207.348	207.702	207.881	207.702	1983
1984	207.895	207.484	207.403	207.734	207.934	207.881	207.778	207.820	207.308	207.184	207.280	207.588	207.672	1984
1985	207.783	207.402	207.504	207.713	207.828	207.888	207.788	207.858	207.842	207.831	207.721	207.744	207.882	1985
1986	207.825	207.857	207.644	208.128	207.941	207.884	207.777	207.787	207.810	207.888	207.582	207.782	207.747	1986
1987	207.853	207.428	207.334	208.058	207.858	207.910	207.883	207.500	207.720	207.798	207.844	207.738	1987
MOYEN	207.738	207.817	207.587	207.971	208.044	207.833	207.788	207.682	207.648	207.621	207.840	207.781	207.735	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA (ANCIEN DATUM)
AJOUTER 0.040 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 18 01
LONG 72 09 38

REGULARISE

STATION INTERNATIONALES DE JAUGEAGE

MEMPHREMAGOG (LAC) A MAGOG - STATION NO. 02OE012

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1920	---	---	---	1920
1921	---	208.284 LE 23 MAR	206.758 LE 7 OCT *	1921
1922	---	208.700 LE 14 AVR	207.078 LE 20 DEC	1922
1923	---	208.447 LE 2 MAI	207.045 LE 1 MAR	1923
1924	---	208.200 LE 14 SEP	207.489 LE 17 MAR	1924
1925	---	208.286 LE 15 NOV	207.679 LE 3 SEP	1925
1926	---	208.407 LE 27 AVR	207.551 LE 18 SEP	1926
1927	---	209.224 LE 8 NOV *	207.212 LE 9 OCT	1927
1928	---	208.842 LE 10 AVR	207.483 LE 13 MAR	1928
1929	---	208.270 LE 10 AVR	207.291 LE 26 OCT	1929
1930	---	208.208 LE 28 FEV	207.133 LE 30 SEP	1930
1931	---	208.197 LE 27 AVR	207.191 LE 11 MAR	1931
1932	---	208.428 LE 13 AVR	207.544 LE 24 MAR	1932
1933	---	208.907 LE 20 AVR	207.054 LE 18 OCT	1933
1934	---	208.308 LE 19 AVR	207.020 LE 1 NOV	1934
1935	---	208.130 LE 2 MAI	207.252 LE 8 NOV	1935
1936	---	208.892 LE 23 MAR	207.337 LE 10 MAR	1936
1937	---	208.288 LE 22 MAI	207.180 LE 15 OCT	1937
1938	---	208.337 LE 26 MAR	207.583 LE 10 SEP	1938
1939	---	208.684 LE 30 AVR	207.435 LE 17 AVR	1939
1940	---	208.736 LE 8 MAI	207.288 LE 29 MAR	1940
1941	---	208.294 LE 18 AVR	207.249 LE 2 OCT	1941
1942	---	208.468 LE 20 AVR	207.419 LE 16 SEP	1942
1943	---	208.279 LE 17 JUN	207.586 LE 13 AVR	1943
1944	---	208.224 LE 8 MAI	207.401 LE 14 SEP	1944
1945	---	208.459 LE 1 AVR	207.438 LE 14 SEP	1945
1946	---	208.090 LE 14 DEC	207.133 LE 23 SEP	1946
1947	---	208.294 LE 4 JUN	207.118 LE 8 NOV	1947
1948	---	208.133 LE 16 MAI	207.151 LE 4 FEV	1948
1949	---	208.428 LE 30 MAR	207.331 LE 28 AOU	1949
1950	---	208.352 LE 23 AVR	207.520 LE 8 OCT	1950
1951	---	208.328 LE 18 AVR	207.316 LE 21 OCT	1951
1952	---	208.337 LE 4 JUN	207.215 LE 17 NOV	1952
1953	---	208.419 LE 28 MAR	207.109 LE 16 NOV	1953
1954	---	208.528 LE 24 AVR	207.368 LE 14 FEV	1954
1955	---	208.434 LE 20 AVR	207.139 LE 29 OCT	1955
1956	---	208.208 LE 1 MAI	207.170 LE 3 AVR	1956
1957	---	208.291 LE 23 DEC	207.258 LE 17 OCT	1957
1958	---	208.590 LE 24 AVR	207.502 LE 15 OCT	1958
1959	---	208.386 LE 1 DEC	207.212 LE 20 MAR	1959
1960	---	208.352 LE 20 AVR	207.255 LE 28 MAR	1960
1961	---	208.227 LE 28 AVR	207.115 LE 26 OCT	1961
1962	---	208.221 LE 11 AVR	207.157 LE 19 MAR	1962
1963	---	208.282 LE 23 AVR	207.139 LE 23 MAR	1963
1964	---	208.276 LE 17 AVR	207.083 LE 15 OCT	1964
1965	---	208.047 LE 21 NOV	207.180 LE 5 AVR	1965
1966	208.041 LE 23 MAI A 0700 HNE	208.035 LE 23 MAI	207.095 LE 18 OCT	1966
1967	208.090 LE 20 MAI A 1020 HNE	208.086 LE 18 JUN	207.212 LE 25 MAR	1967
1968	208.127 LE 1 AVR A 0615 HNE	208.111 LE 1 AVR	206.974 LE 8 NOV	1968
1969	208.608 LE 21 AVR A 0555 HNE *	208.596 LE 20 AVR	207.089 LE 19 MAR	1969
1970	208.395 LE 28 AVR A 0750 HNE	208.380 LE 28 AVR	207.115 LE 20 MAR	1970
1971	208.309 LE 7 MAI A 1210 HNE	208.297 LE 7 MAI	207.109 LE 2 AVR	1971
1972	208.556 LE 7 MAI A 0520 HNE	208.541 LE 8 MAI	206.995 LE 18 FEV	1972
1973	208.425 LE 2 JUL A 1845 HNE	208.404 LE 3 JUL	207.383 LE 7 MAR	1973
1974	208.383 LE 1 MAI A 1327 HNE	208.348 LE 1 MAI	207.313 LE 2 AVR	1974
1975	208.083 LE 24 NOV A 0810 HNE	208.038 LE 24 NOV	207.045 LE 19 MAR	1975
1976	208.585 LE 4 AVR A 0834 HNE	208.582 LE 4 AVR	207.301 LE 27 JAN	1976
1977	208.138 LE 4 OCT A 1435 HNE	208.120 LE 3 OCT	207.002 LE 4 MAR	1977
1978	208.245 LE 22 JUN A 1250 HNE	208.215 LE 30 AVR	207.080 LE 22 MAR	1978
1979	208.147 LE 5 AVR A 0920 HNE	208.089 LE 5 AVR	207.030 LE 3 MAR	1979
1980	208.050 LE 3 DEC A 2255 HNE	208.023 LE 8 DEC	207.188 LE 17 MAR	1980
1981	208.085 LE 18 MAI A 1141 HNE	208.072 LE 18 MAI	207.323E LE 1 FEV	1981
1982	208.470 LE 23 AVR A 2150 HNE	208.436 LE 23 AVR	207.051 LE 11 MAR	1982
1983	208.342 LE 4 MAI A 0801 HNE	208.311 LE 4 MAI	207.284 LE 4 OCT	1983
1984	208.207 LE 1 JUN A 2303 HNE	208.180 LE 3 JUN	207.104 LE 3 NOV	1984
1985	207.895 LE 8 MAI A 0132 HNE	207.840 LE 7 MAI	207.258 LE 23 FEV	1985
1986	208.391 LE 3 AVR A 2308 HNE	208.385 LE 3 AVR	207.383 LE 10 MAR	1986
1987	208.173 LE 4 AVR A 0420 HNE	208.155 LE 3 AVR	207.234 LE 20 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA (ANCIEN DATUM)
AJOUTER 0.040 m POUR OBTENIR LES COTES GEODESIQUES

E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MILLE ILES (RIVIERE DES) A BOIS-DES-FILION - STATION NO. 020A003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1961	---	---	19.563	20.021	20.051	19.778	19.684	19.647	19.644	19.551	19.526	19.890	---	1961
1962	19.809	19.802	19.888	20.393	20.272	19.832	19.312	19.238	19.208	19.314	19.426	19.348	19.826	1962
1963	19.439	19.496	19.425	20.378	19.898	19.612	19.339	19.178	19.355	19.381	19.539	19.833	19.578	1963
1964	19.735	19.824	19.753	20.080	19.934	19.727	19.471	19.262	19.198	19.328	19.382	19.534	19.585	1964
1965	19.644	19.702	19.638	19.907	20.211	19.833	19.342	19.427	19.891	20.373	20.188	20.094	19.820	1965
1966	20.280	20.085	20.256	20.364	20.172	19.978	19.624	19.530	19.434	19.577	19.822	20.490	19.957	1966
1967	20.117	20.229	19.818	20.710	20.545	20.243	19.825	19.517	19.480	19.880	20.483	20.084	20.079	1967
1968	20.332	20.188	20.127	20.498	19.738	19.648	19.708	19.440	19.430	19.458	19.806	19.858	19.808	1968
1969	19.870	19.787	19.718	20.497	20.581	20.052	19.728	19.664	19.373	19.480	19.823	19.898	19.872	1969
1970	19.897	19.719	19.862	20.248	20.590	20.101	19.973	19.725	19.457	19.596	19.765	19.789	19.876	1970
1971	19.847	19.835	19.934	20.481	20.507	19.724	19.355	19.258	19.301	19.336	19.342	19.525	19.710	1971
1972	19.593	19.664	19.658	20.351	20.454	20.136	20.158	19.864	19.813	19.878	20.168	20.017	20.023	1972
1973	20.146	20.121	20.565	20.708	20.598	20.288	20.031	19.867	19.959	19.734	19.771	19.880	20.060	1973
1974	19.958	19.884	20.121	20.637	21.237	20.738	20.059	19.800	19.632	19.826	19.858	19.895	20.079	1974
1975	19.909	19.911	19.897	20.310	20.297	19.954	19.389	19.149	19.227	19.413	19.558	19.848	19.737	1975
1976	19.883	19.872	20.206	21.154	20.894	19.884	19.620	19.584	19.477	19.578	19.488	19.905	19.958	1976
1977	19.812	19.861	20.193	20.559	19.988	19.378	19.370	19.277	19.384	19.692	19.737	20.139	19.773	1977
1978	20.414	20.285	19.829	20.467	20.385	19.704	19.409	19.285	19.207	19.492	19.485	19.864	19.790	1978
MOYEN	19.933	19.889	19.891	20.432	20.387	19.905	19.644	19.457	19.421	19.589	19.718	19.827	19.845	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.073 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 38 47
LONG 73 45 08 REGULARISE

MILLE ILES (RIVIERE DES) A BOIS-DES-FILION - STATION NO. 020A003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1961	---	20.260 LE 3 MAI	19.356 LE 21 MAR	1961
1962	---	20.842 LE 10 AVR	19.135 LE 5 SEP	1962
1963	---	20.967 LE 5 AVR	19.126 LE 7 AOU	1963
1964	---	20.604 LE 25 AVR	19.132 LE 20 SEP	1964
1965	---	20.553 LE 25 OCT	19.175 LE 3 AOU	1965
1966	---	20.639 LE 27 AVR	19.284 LE 20 SEP	1966
1967	---	20.970 LE 4 AVR	19.385 LE 19 SEP	1967
1968	---	20.943 LE 1 AVR	19.288 LE 5 SEP	1968
1969	---	20.891 LE 21 MAI	19.300 LE 2 SEP	1969
1970	---	20.981 LE 24 MAI	19.327 LE 8 SEP	1970
1971	---	21.217 LE 22 AVR	19.163 LE 9 SEP	1971
1972	---	21.217 LE 7 MAI	19.486 LE 4 JAN	1972
1973	---	21.235 LE 20 MAR	19.489 LE 24 SEP	1973
1974	---	21.540 LE 22 MAI	19.312 LE 7 SEP	1974
1975	---	21.074 LE 22 AVR	19.058 LE 17 AOU *	1975
1976	---	21.671 LE 3 AVR *	19.278 LE 15 NOV	1976
1977	---	21.312 LE 17 MAR	19.215 LE 17 AOU	1977
1978	---	20.982 LE 18 AVR	19.108 LE 12 SEP	1978

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.073 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MILLE ILES (RIVIERE DES) A LAVAL OUEST - STATION NO. 020A015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	---	---	---	---	4.800	4.130	3.703	3.477	3.737	3.704	3.992	4.403	---	1963
1964	4.319	4.207	4.428	4.850	4.882	4.316	3.923	3.573	3.478	3.944	3.710	3.934	4.097	1964
1965	4.118	4.258	4.163	4.813	5.189	4.187	3.893	3.832	4.261	5.401	5.051	4.888	4.472	1965
1966	5.028	4.775	5.286	5.386	5.050	4.858	3.812	3.650	3.645	3.830	4.235	5.267	4.570	1966
1967	4.842	4.783	4.266	5.780	5.485	4.843	4.442	3.782	3.708	4.324	5.320	4.828	4.834	1967
1968	4.828	4.717	4.782	5.476	4.170	3.871	4.115	3.703	3.618	3.815	3.889	3.958	4.218	1968
1969	4.303	4.284	4.183	5.443	5.584	4.632	4.108	3.827	3.841	3.848	4.400	4.373	4.368	1969
1970	4.238	4.106	4.092	5.026	5.430	4.753	4.576	4.188	3.709	3.893	4.142	4.180	4.382	1970
1971	4.276	4.402	4.424	5.476	5.491	4.108	3.570	3.448	3.430	3.434	3.427	3.758	4.101	1971
1972	3.883	4.076	4.136	5.258	5.132	4.876	4.801	4.576	4.307	4.399	4.900	4.868	4.675	1972
1973	4.724	4.828	5.708	5.903	5.708	5.118	4.884	4.181	3.847	4.171	4.224	4.513	4.808	1973
1974	4.848	4.837	4.899	5.824	5.816	5.955	4.797	4.048	---	---	---	---	---	1974
1975	---	---	4.595	5.238	5.242	4.834	3.888	3.277	3.384	3.824	3.829	4.241	---	1975
1976	4.401	4.488	4.843	5.826	5.828	4.808	4.351	3.954	3.783	3.895	3.824	4.092	4.582	1976
1977	4.480	4.188	5.093	5.844	4.883	3.841	3.670	3.507	3.594	4.090	4.178	4.804	4.301	1977
1978	5.074	4.988	4.421	5.558	5.288	4.158	3.717	3.613	3.620	3.815	3.883	3.956	4.338	1978
MOYEN	4.498	4.484	4.674	5.528	5.413	4.587	4.121	3.826	3.708	3.972	4.187	4.372	4.428	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 15.948 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 32 27
LONG 73 52 53 REGULARISE

MILLE ILES (RIVIERE DES) A LAVAL OUEST - STATION NO. 020A015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	---	---	---	
1964	---	5.708 LE 25 AVR	3.370 LE 13 AOU	1963
			3.385 LE 21 SEP	1964
1965	---	5.705 LE 25 OCT	3.443 LE 3 AOU	
1966	---	5.263 LE 27 AVR	3.395 LE 20 SEP	1965
1967	---	5.257 LE 4 AVR	3.538 LE 19 SEP	1966
1968	---	5.147 LE 1 AVR	3.426 LE 3 SEP	1967
1969	---	5.101 LE 21 MAI	3.410 LE 23 SEP	1968
				1969
1970	6.065 LE 17 AVR A 1445 HNE	5.035 LE 7 MAI	3.492 LE 8 SEP	1970
1971	6.769 LE 22 AVR A 1030 HNE	5.741 LE 22 AVR	3.239 LE 8 SEP	1971
1972	6.805 LE 8 MAI A 0620 HNE	5.787 LE 8 MAI	3.778 LE 4 JAN	1972
1973	6.942 LE 20 MAR A 0250 HNE	5.868 LE 20 MAR	3.824A LE 18 SEP	1973
1974	7.345 LE 22 MAI A 1030 HNE	7.320 LE 22 MAI	3.529A LE 6 SEP	1974
1975	6.565 LE 22 AVR A 0756 HNE	6.510 LE 22 AVR	3.114 LE 21 AOU *	1975
1976	7.573 LE 4 AVR A 0834 HNE *	7.584 LE 4 AVR *	3.581 LE 15 NOV	1976
1977	6.741 LE 17 MAR A 0505 HNE	6.714 LE 17 MAR	3.418 LE 16 SEP	1977
1978	6.373 LE 16 AVR A 0415 HNE	6.354 LE 16 AVR	3.428 LE 11 SEP	1978
1979	---	---	---	1979

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 15.948 m POUR OBTENIR LES COTES GEODESIQUES

A - JAUGE MANUELLE
(VOIR INDEX DE REFRENCE)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MILLE-ILES (RIVIERE DES) AU BARRAGE DE TERREBONNE - STATION NO. 020A088

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	---	13.87	14.00	---	1982
1983	14.13	14.12	14.08	14.13	14.17	13.92	13.77	13.71	13.67	13.72	13.88	---	---	1983
1984	13.90	13.97	14.05	14.25	14.02	14.07	13.93	13.80	---	---	13.78R	13.84R	---	1984
1985	14.10	14.15	14.22	14.12	14.18	13.89	13.81	13.87	13.78	13.80R	13.81R	---	---	1985
1986	---	13.94	13.97	13.94	13.82	13.88	13.83	---	13.81	13.99R	---	---	---	1986
1987	14.08	14.08	14.08	14.09	13.88	13.87	13.77	13.75	13.70	---	---	---	---	1987
MOYEN	14.05	14.05	14.08	14.11	14.01	13.89	13.82	13.78	13.77	13.84R	13.78R	13.92R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 41 35 BASSIN VERSANT, 148 000 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1988
LONG 73 38 58 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MILLE-ILES (RIVIERE DES) AU BARRAGE DE TERREBONNE - STATION NO. 020A088

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	
1983	---	---	---	1982
1984	---	---	---	1983
				1984
1985	---	---	---	
1986	---	---	---	1985
1987	---	---	---	1986
		14.39 LE 29 MAR *	13.04 LE 8 JUL *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MINTO (LAC) - STATION NO. 03JA002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	28.03	28.30	27.07	---	---	---	---	28.68	28.49	---	1983
1984	28.30	28.18	28.08	28.07	28.29	28.71	28.87	27.10	27.03	28.88R	28.82R	28.82R	28.57R	1984
1985	28.38	28.23	28.12	28.05	28.04	---	---	---	---	---	---	---	---	
1986	28.38	28.22	28.11	28.04	28.19	28.87	---	---	---	---	---	28.68R	---	1985
														1986
MOYEN	28.38	28.20	28.10	28.02	28.21	28.88	28.87	27.10	27.03	28.88R	28.74R	28.58R	28.57R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 57 17 47 BASSIN VERSANT, 5 540 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1988
LONG 74 45 00 DEBIT NATUREL MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MINTO (LAC) - STATION NO. 03JA002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	---	---	
1984	---	29.95 LE 18 AOU *	25.95 LE 21 AVR *	1983
				1984
1985	---	---	---	
1986	---	---	---	1985
				1986

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MISTASSINI (LAC) - STATION NO. 033A001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	22.96	22.80	23.07	23.75	23.68	23.57	23.59	23.63	23.40	23.16	---	1982
1983	23.00	22.84	22.73	22.68	22.86	23.62	23.91	23.89	---	---	---	23.17	---	1983
1984	23.10	22.99	22.94	22.87	---	---	---	---	---	---	---	23.70	---	1984
1985	---	---	23.10	---	---	23.86	24.11	---	24.25	24.08	---	---	---	1985
1987	---	23.80	23.34	23.13	---	23.87	23.80	---	---	---	---	---	---	1987
1973	---	---	---	---	23.84	24.36	24.44	24.08	23.93	23.93	23.90	---	---	1973
1974	---	---	---	22.98	23.09	---	24.58	24.21	23.93	23.87	---	---	---	1974
1975	---	---	---	---	---	---	24.09	24.07	23.84	23.72	23.89	---	---	1975
1976	---	---	23.08	23.05	---	---	24.28	---	---	---	---	---	---	1976
1977	---	---	---	22.97	---	---	---	---	---	24.02	---	---	---	1977
1978	---	---	---	---	23.29	---	---	---	24.08	24.00	23.85	23.83	---	1978
1979	---	---	---	---	23.82	24.54	24.54	24.39	24.29	24.34	24.26	24.02	---	1979
1980	23.74	23.50	23.27	---	---	24.00	---	23.99	---	23.87	23.89	---	---	1980
1981	---	23.09	22.98	22.95	23.38	24.30	24.31	23.97	23.72	23.63	23.48	23.28	---	1981
1982	---	22.83	22.80	22.78	23.19	---	---	---	---	---	---	---	---	1982
MOYEN	23.28	23.18	23.02	22.91	23.29	24.01	24.17	24.02	23.95	23.91	23.78	23.50	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 350.824 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 50 24 40
LONG 73 52 30

BASSIN VERSANT, 18 100 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

MITCHINAMECUS (RIVIERE) AU RESERVOIR MITCHINAMECUS - STATION NO. 02LE014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1941	---	---	---	---	---	370.80	---	370.58	371.88	372.77	373.73	374.07	---	1941
1942	374.80	375.27	375.57	376.15	376.55	378.10	378.58	380.02	380.18	380.27	379.82	378.22	378.20	1942
1943	378.58	376.89	373.80	371.78	375.24	378.88	378.88	379.23	380.12	380.48	381.03	380.18	377.92	1943
1944	378.54	375.88	372.94	371.31	374.10	378.20	378.98	378.11	378.82	379.38	379.17	377.45	376.58	1944
1945	374.62	372.08	371.13	373.78	376.88	377.17	377.20	377.40	378.03	378.84	378.22	377.74	376.20	1945
1946	374.88	371.85	371.14	372.28	376.03	377.32	378.48	378.85	377.38	378.07	378.35	380.03	376.00	1946
1947	380.31	380.36	380.28	380.63	382.43	382.76	382.27	382.83	382.71	382.82	382.62	382.08	381.81	1947
1948	380.52	376.03	375.13	375.10	377.50	377.89	377.88	378.85	378.88	379.04	377.83	374.87	377.54	1948
1949	372.14	371.19	370.88	372.13	376.07	376.81	377.44	377.75	378.09	378.88	377.17	374.08	375.23	1949
1950	371.91	371.80	372.12	373.38	376.39	377.88	378.81	379.28	379.84	380.21	380.88	380.00	376.77	1950
1951	377.84	376.43	376.88	376.05	380.30	380.48	381.01	381.40	381.77	382.48	382.15	381.18	380.00	1951
1952	380.80	379.98	379.12	379.04	381.28	382.21	382.72	382.85	382.82	382.71	382.59	380.84	381.41	1952
1953	378.74	376.48	376.82	380.89	382.01	382.11	382.28	382.23	381.38	378.88	375.38	372.41	378.48	1953
1954	371.11	370.85	370.72	372.48	377.04	378.78	379.80	380.12	380.77	382.18	382.70	382.77	377.45	1954
1955	382.20	381.03	379.79	376.98	381.17	381.88	381.93	381.89	381.83	381.13	380.80	379.48	380.97	1955
1956	377.73	375.03	372.08	371.55	374.88	376.68	377.12	378.28	379.85	380.81	381.58	382.11	377.32	1956
1957	381.94	381.21	380.11	378.84	381.44	381.18	382.44	382.72	382.88	382.82	382.87	382.78	381.88	1957
1958	382.73	382.80	382.15	382.17	382.89	382.74	382.90	382.80	382.93	382.90	382.78	382.72	382.88	1958
1959	382.87	381.38	379.88	378.44	379.75	380.18	380.88	381.83	382.38	382.87	382.88	382.78	381.28	1959
1960	382.30	381.15	380.04	378.71	382.23	382.28	382.71	382.78	382.72	382.87	382.78	382.71	382.01	1960
1961	381.74	379.85	378.38	377.92	379.89	380.20	380.83	381.50	382.24	382.59	382.73	382.78	380.89	1961
1962	382.08	380.68	378.38	378.88	380.68	381.18	381.39	381.40	381.12	380.74	378.87	378.85	380.50	1962
1963	377.07	374.82	372.83	372.82	375.73	378.87	377.13	377.59	378.88	379.10	378.29	378.22	376.77	1963
1964	378.28	377.82	377.80	---	380.18	380.21	---	381.12	381.84	381.89	381.58	380.80	---	1964
1965	378.80	377.52	377.04	378.84	378.85	379.18	379.10	378.78	380.52	381.84	382.81	382.88	379.52	1965
1966	382.28	381.49	---	380.23	381.83	---	382.44	382.88	382.78	382.87	382.83	381.74	---	1966
1967	380.78	380.22	378.14	378.78	380.87	382.08	382.85	382.38	380.91	381.07	382.46	382.80	381.15	1967
1968	---	---	---	---	---	---	---	---	---	---	---	378.78	---	1968
1969	377.88	378.98	374.08	373.88	378.78	378.88	379.30	380.08	381.04	381.82	381.07	380.02	378.38	1969
1970	378.87	378.08	377.08	378.80	378.82	380.83	381.87	382.48	382.38	382.70	382.83	381.87	380.28	1970
1971	380.38	378.02	377.80	376.48	378.82	380.23	---	380.85	380.30	380.78	378.88	377.36	---	1971
1972	374.04	371.84	371.28	371.82	376.85	378.87	378.80	380.88	381.48	---	---	382.07	---	1972
1973	380.70	378.88	378.88	378.89	381.95	382.84	382.73	---	---	382.88	382.83	---	---	1973
1974	---	378.23	---	---	381.88	---	---	---	---	---	380.47	380.43	---	1974
1975	---	---	377.88	377.02	378.95	380.48	380.88	380.88	377.38	---	---	---	---	1975
1976	---	---	---	---	---	378.05	376.77	378.55	378.38	---	376.18	375.58	---	1976
1977	374.08	---	---	374.31	378.82	378.78	380.22	380.77	380.84	380.87	380.37	378.18	---	1977
1978	377.78	376.17	378.82	378.83	378.23	378.88	380.43	380.81	379.38	377.87	376.18	374.81	377.74	1978
1979	373.02	371.88	371.28	374.12	378.48	378.93	380.25	378.25	377.78	376.07	378.88	378.48	378.88	1979
1980	378.80	378.22	378.32	378.88	378.73	378.95	378.78	377.78	377.40	378.44	378.84	378.83	378.85	1980
1981	378.77	---	---	378.33	381.81	382.70	---	---	---	378.81	378.33	378.04	---	1981
1982	378.23	374.30	373.08	372.88	378.78	378.08	378.82	377.18	378.03	378.52	378.80	377.48	378.07	1982
1983	378.17	378.38	377.88	377.83	380.71	382.87	382.88	381.03	378.83	377.87	377.38	377.23	378.15	1983
1984	378.80	378.80	378.84	378.28	378.98	380.91	381.78	382.27	382.47	381.28R	380.10R	378.38R	379.28R	1984
1985	378.59	377.78	378.84	378.08	378.78	379.84	380.23	381.35	381.12	380.23R	378.18R	378.38R	379.08R	1985
1986	377.40	378.75	378.13	378.83	378.81	380.88	381.27	380.84	380.49	380.74R	381.18R	380.48R	379.40R	1986
1987	378.90	377.21	378.88	378.83	377.70	377.72	378.18	378.84	378.91	---	---	---	---	1987
MOYEN	378.22	377.18	376.11	376.32	378.87	379.83	380.18	380.14	380.14	380.38R	380.14R	379.47R	378.88R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 12 51
LONG 75 10 38

BASSIN VERSANT, 932 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

MITCHINAMECUS (RIVIERE) AU RESERVOIR MITCHINAMECUS - STATION NO. 02LE014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1941	---	---	---	1941
1942	---	380.42 LE 8 OCT	374.26 LE 1 JAN	1942
1943	---	381.30 LE 29 NOV	371.34 LE 9 AVR	1943
1944	---	378.86 LE 26 OCT	371.03 LE 19 AVR	1944
1945	---	378.35 LE 6 NOV	371.06 LE 15 MAR	1945
1946	---	380.24 LE 30 DEC	371.06 LE 13 MAR	1946
1947	---	383.04 LE 28 MAI *	380.21 LE 29 MAR	1947
1948	---	381.42 LE 1 JAN	373.13 LE 31 DEC	1948
1949	---	378.93 LE 27 OCT	370.91 LE 20 MAR	1949
1950	---	381.16 LE 22 NOV	345.79 LE 12 MAI *	1950
1951	---	382.88 LE 12 OCT	376.33 LE 7 FEV	1951
1952	---	382.82 LE 11 AOU	378.68 LE 2 AVR	1952
1953	---	382.31 LE 20 JUL	371.70 LE 31 DEC	1953
1954	---	382.83 LE 24 NOV	370.24 LE 3 MAR	1954
1955	---	382.81 LE 1 JAN	378.19 LE 12 AVR	1955
1956	---	382.19 LE 14 DEC	371.09 LE 8 AVR	1956
1957	---	382.85 LE 18 SEP	378.47 LE 31 MAR	1957
1958	---	383.04 LE 11 SEP	361.79 LE 1 AVR	1958
1959	---	382.95 LE 18 NOV	378.07 LE 17 AVR	1959
1960	---	382.89 LE 21 NOV	378.29 LE 8 AVR	1960
1961	---	382.80 LE 29 NOV	377.88 LE 4 AVR	1961
1962	---	382.58 LE 1 JAN	377.82 LE 31 DEC	1962
1963	---	379.63 LE 2 DEC	371.81 LE 1 AVR	1963
1964	---	---	---	1964
1965	---	382.68 LE 19 NOV	370.39 LE 10 AVR	1965
1966	---	---	---	1966
1967	---	382.89 LE 14 JUL	378.39 LE 8 AVR	1967
1968	---	---	---	1968
1969	---	381.82 LE 20 OCT	373.18 LE 4 AVR	1969
1970	---	382.73 LE 15 OCT	376.43 LE 14 AVR	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	380.63 LE 6 AOU	373.96 LE 31 DEC	1979
1980	---	380.37 LE 17 JUL	371.10 LE 14 MAR	1980
1981	---	380.15 LE 13 MAI	377.28 LE 17 SEP	1981
1982	---	---	---	1982
1983	---	378.89 LE 10 JUL	371.89 LE 5 AVR	1983
1984	---	382.80 LE 24 JUN	377.10 LE 31 DEC	1984
1985	---	382.63 LE 11 SEP	376.27 LE 5 AVR	1985
1986	---	381.48 LE 20 AOU	376.74 LE 15 AVR	1986
1987	---	381.36 LE 16 JUL	376.80 LE 30 MAR	1987
		378.74 LE 1 JAN	376.98 LE 28 MAR	

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MONDONAC (RIVIERE) AU RESEVOIR MONDONAC - STATION NO. 02NB005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	0.70	0.58	0.54	0.63	2.17	2.36	2.08	2.28	2.75	2.89	2.53	2.55	1.86	1983
1984	1.29	0.78	0.59	0.78	1.97	1.87	2.09	2.83	3.10	3.44	3.41	2.40	2.04	1984
1985	1.48	0.81	0.69	0.81	2.09	3.03	2.88	2.87	2.88	3.24	3.85	3.23	2.34	1985
1986	1.58	0.91	0.69	0.88	2.33	3.29	3.84	4.01	3.84	3.40	3.63	3.61	2.69	1986
1987	2.82	1.21	0.82	0.78	2.14	3.44	4.11	3.23	3.04	3.52	4.10	3.83	2.74	1987
1988	1.95	0.89	0.38	1.12	2.80	3.18	2.47	2.83	2.81	---	---	---	---	1988
MOYEN	1.80	0.87	0.84	0.90	2.22	2.87	2.88	2.98	3.11	3.30	3.48	3.12	2.33	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 27 08 BASSIN VERSANT, 328 km²
LONG 73 58 58 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

MONDONAC (RIVIERE) AU RESEVOIR MONDONAC - STATION NO. 02NB005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	3.10 LE 18 OCT	0.52 LE 23 MAR	1983
1984	---	3.88 LE 9 NOV	0.50 LE 4 AVR *	1984
1985	---	3.83 LE 18 NOV	0.84 LE 15 MAR	1985
1986	---	4.11 LE 24 AOU	0.84 LE 23 MAR	1986
1987	---	4.31 LE 13 JUL *	0.69 LE 20 AVR	1987
1988	---	---	---	1988

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MONROE (LAC) - STATION NO. 02LC067

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	29.24	29.34	29.18	29.08	---	1977
1978	29.02	28.98	28.91	29.00	29.65	29.37	29.35	29.18	29.29	29.40	29.28	29.27	29.22	1978
1979	29.26	29.18	29.39	29.41	29.26	29.28	29.15	29.22	29.44	29.47	29.18	28.95	29.26	1979
1980	---	28.70	28.63	29.22	29.38	29.30	29.22	29.30	29.48	29.68	29.44	29.23	---	1980
1981	29.10	29.44	29.27	29.79	29.27	29.23	29.03	28.87	28.91	29.21	---	---	---	1981
1982	---	29.31	29.31	29.55	29.58	29.33	29.30	29.24	29.30	29.31	29.38	29.47	---	1982
1983	29.42	29.35	29.35	29.51	29.74	29.42	29.28	29.24	29.19	29.30	29.38	29.33	29.36	1983
1984	29.27	29.33	29.32	29.61	29.48	29.38	29.45	29.33	---	---	29.38R	29.37R	---	1984
1985	29.31	29.28	29.31	29.59	29.68	29.36	29.37	---	---	---	---	---	---	1985
MOYEN	29.23	29.19	29.19	29.48	29.48	29.33	29.27	29.20	29.26	29.39	29.32R	29.24R	29.29	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 19 07 BASSIN VERSANT, 432 km²
LONG 74 30 36 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1985

MONROE (LAC) - STATION NO. 02LC067

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	30.15 LE 11 MAI	28.87 LE 11 AVR *	1978
1979	---	30.57 LE 28 AVR *	28.78 LE 31 DEC	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	30.00 LE 6 MAI	29.18 LE 15 SEP	1983
1984	---	---	---	1984
1985	---	---	---	1985

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MONTMORENCY (RIVIERE) EN AVAL DU RUISSEAU DES BRULES - STATION NO. 02PD005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	29.34	29.27	29.21	29.14	---	1977
1978	29.18	29.13	29.10	29.11	29.58	29.33	29.19	29.17	29.17	29.21	29.15	29.13	29.21	1978
1979	29.12	29.13	29.18	29.34	29.50	29.29	29.18	29.22	29.35	29.28	29.21	29.19	29.24	1979
1980	29.17	29.14	29.12	29.23	29.39	29.26	29.23	29.19	29.24	29.28	29.19	29.14	29.22	1980
1981	29.11	29.26	29.20	29.44	29.53	29.33	29.23	29.23	29.17	29.22	29.18	29.13	29.25	1981
1982	29.13	29.11	29.10	29.18	29.51	29.28	29.18	29.17	29.28	29.19	29.29	---	---	1982
1983	---	---	---	29.24	29.57	29.34	29.23	29.18	29.22	29.22	29.19	29.14	---	1983
1984	29.12	29.13	29.13	29.23	29.55	29.29	29.22	29.19	29.19	29.17R	29.18R	29.14R	29.21R	1984
1985	29.10	29.10	29.09	29.18	29.57	29.36	29.27	---	---	---	---	---	---	1985
MOYEN	29.13	29.14	29.13	29.24	29.55	29.31	29.22	29.19	29.23	29.23R	29.20R	29.14R	29.23R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 24 20 BASSIN VERSANT, 121 km²
LONG 71 11 10 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1985

MONTMORENCY (RIVIERE) EN AVAL DU RUISSEAU DES BRULES - STATION NO. 02PD005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	30.18 LE 16 MAI	29.08 LE 13 MAR *	1978
1979	---	30.62 LE 28 AVR *	29.09 LE 27 JAN	1979
1980	---	29.72 LE 3 MAI	29.09 LE 28 MAR	1980
1981	---	30.04 LE 17 MAI	29.09 LE 11 FEV	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	30.34 LE 24 MAI	29.10 LE 27 JAN	1984
1985	---	---	---	1985

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

MULETS (RIVIERE AUX) AU BARRAGE THEODORE - STATION NO. 02LC017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	---	385.71	385.73	386.07	385.88	385.72	385.68	385.39	385.26	385.47	386.08	---	1964
1965	386.15	386.11	385.74	385.78	386.00	385.83	385.81	385.82	385.87	386.10	386.06	385.94	385.93	1965
1966	386.08	386.05	385.82	385.86	386.05	385.83	385.74	385.78	385.71	385.84	386.11	386.18	385.93	1966
1967	386.00	385.83	385.44	386.00	386.02	386.11	385.96	385.85	385.70	385.85	386.06	385.85	385.89	1967
1968	385.48	385.46	385.59	386.19	385.90	386.01	386.05	385.85	385.74	385.57	385.93	386.04	385.82	1968
1969	386.01	385.82	385.86	386.08	386.16	386.13	386.02	385.89	385.88	385.70	385.71	385.67	385.90	1969
1970	385.82	385.81	385.49	385.76	386.09	385.91	385.93	385.72	385.81	385.74	385.92	385.86	385.78	1970
1971	385.80	385.81	385.42	385.82	386.13	385.85	385.73	385.70	385.73	385.74	385.91	385.90	385.74	1971
1972	385.75	385.72	385.89	385.89	386.16	---	385.96	385.84	385.74	385.80	385.81	385.81	---	1972
1973	385.82	385.74	385.81	386.03	385.91	385.89	385.94	385.88	385.84	385.85	385.93	385.90	385.88	1973
1974	385.84	385.87	385.86	385.86	386.07	385.92	385.88	385.79	385.68	385.86	385.94	385.85	385.88	1974
1975	385.94	385.89	385.88	385.87	386.04	386.05	385.86	385.72	385.72	385.85	385.97	386.08	385.88	1975
1976	385.94	385.87	385.84	386.15	385.87	385.85	385.88	385.86	385.88	385.87	385.89	385.83	385.88	1976
1977	385.72	385.88	386.08	386.08	385.81	---	385.87	---	385.90	385.87	385.92	385.92	---	1977
1978	---	385.70	385.44	385.70	386.00	385.89	385.87	385.88	385.88	385.92	385.92	---	---	1978
1979	385.88	385.87	385.85	386.08	385.97	385.96	385.96	385.96	386.00	385.93	385.98	385.98	385.98	1979
1980	385.91	385.78	385.82	386.01	385.91	385.92	385.87	385.91	385.87	385.91	---	385.77	---	1980
1981	385.72	385.94	385.79	385.99	385.94	---	---	385.79	385.89	385.91	385.88	386.74	---	1981
1982	385.89	385.84	385.87	385.85	---	385.84	---	---	385.90	385.91	385.96	385.93	---	1982
1983	385.86	385.78	385.68	385.87	386.08	385.85	385.84	385.88	385.81	385.90	385.86	385.81	385.88	1983
1984	385.81	385.83	385.84	386.08	385.98	385.96	385.94	385.88	385.98	386.98R	385.87R	385.87R	385.88R	1984
1985	385.78	385.86	386.80	385.91	385.92	385.95	385.94	385.82	385.82	386.83R	386.94R	385.87R	385.85R	1985
1986	385.78	385.78	385.78	386.05	385.98	385.87	385.94	385.97	385.98	385.97R	385.87R	385.78R	385.90R	1986
1987	385.58	385.45	385.85	386.04	385.98	385.89	385.82	385.80	385.84	---	---	---	---	1987
MOYEN	385.81	385.75	385.88	385.92	386.00	385.93	385.88	385.83	385.80	385.84R	385.91R	385.89R	385.87R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 57 45 BASSIN VERSANT, 104 km²
LONG 74 14 50 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

MULETS (RIVIERE AUX) AU BARRAGE THEODORE - STATION NO. 02LC017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	386.28 LE 1 JAN	385.40 LE 4 AVR	1965
1966	---	386.33 LE 12 DEC	385.68 LE 17 AVR	1966
1967	---	386.26 LE 19 AVR	385.37 LE 23 MAR	1967
1968	---	386.31 LE 5 AVR	385.41 LE 28 JAN	1968
1969	---	386.51 LE 16 AVR	385.58 LE 10 DEC	1969
1970	---	386.80 LE 1 MAI *	385.45 LE 31 MAR	1970
1971	---	386.28 LE 9 MAI	385.33 LE 7 AVR *	1971
1972	---	---	---	1972
1973	---	386.38 LE 22 AVR	385.57 LE 2 MAR	1973
1974	---	386.38 LE 24 AVR	385.39 LE 4 AVR	1974
1975	---	386.28 LE 5 MAI	385.38 LE 15 AVR	1975
1976	---	386.49 LE 18 AVR	385.41 LE 19 MAR	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	386.47 LE 29 AVR	385.84 LE 21 MAR	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	386.41 LE 4 MAI	385.50 LE 17 MAR	1983
		386.38 LE 18 AVR	385.50 LE 31 MAR	1984
1985	---	386.38 LE 27 AVR	385.44 LE 27 MAR	1985
1986	---	386.38 LE 13 SEP	385.68R LE 31 DEC	1986
1987	---	386.41 LE 1 AVR	385.38 LE 24 FEV	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

NEMISCAU (LAC) - STATION NO. 03BC001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1950	---	---	---	---	---	30.04	---	---	---	---	---	---	---	1950
1951	---	---	---	---	---	28.95	---	28.88	28.87	28.84	---	---	---	1951
1952	---	28.83	28.78	---	---	---	---	---	---	29.85	29.45	---	---	1952
1953	---	---	---	---	29.51	29.35	29.45	29.17	29.18	---	---	---	---	1953
1955	---	---	---	---	---	29.35	29.04	28.74	28.74	28.90	---	---	---	1955
1956	28.98	28.73	28.62	28.98	---	29.74	29.44	29.47	29.56	---	---	---	---	1956
1957	29.00	---	---	---	---	---	29.88	---	29.37	29.26	29.28	---	---	1957
1958	29.08	28.82	---	---	---	29.46	---	---	29.56	---	---	29.14	---	1958
1959	---	28.83	28.70	28.82	29.58	29.83	---	---	---	29.18	---	---	---	1959
1960	---	---	---	---	---	29.83	---	---	---	29.28	---	29.21	---	1960
1961	28.98	---	28.82	28.83	---	29.05	28.78	28.88	28.71	28.78	---	---	---	1961
1962	---	---	---	28.43	---	---	---	---	---	28.17	---	---	---	1962
1963	---	---	---	28.20	---	29.05	29.02	29.03	28.88	28.78	28.98	28.97	---	1963
1964	28.82	28.82	28.80	28.83	---	---	---	---	---	29.88	---	---	---	1964
1965	---	---	---	---	---	---	29.30	29.41	29.41	29.48	29.45	29.19	---	1965
1966	28.91	28.78	28.87	28.90	29.43	---	29.77	29.76	29.77	29.86	---	---	---	1966
1971	---	---	---	---	---	---	---	---	---	29.25	29.28	---	---	1971
1973	---	---	---	---	29.87	---	---	---	---	---	---	---	---	1973
1974	---	28.77	---	---	---	30.29	29.78	29.36	29.23	29.47	---	---	---	1974
1975	---	---	---	28.53	29.24	29.38	29.30	29.37	29.12	29.02	29.13	29.07	---	1975
1976	28.88	28.71	28.88	28.78	29.51	29.78	29.44	---	---	---	---	---	---	1976
1977	---	---	28.88	28.88	29.48	29.80	29.30	29.18	29.73	29.48	29.27	29.18	---	1977
1978	28.94	---	---	---	---	---	29.84	29.48	29.43	---	---	---	---	1978
1979	---	---	28.86	28.81	30.12	30.09	---	29.58	29.55	29.86	29.87	---	---	1979
1980	---	29.08	28.84	28.84	29.81	29.42	29.35	29.18	29.00	29.18	29.30	---	---	1980
1981	---	28.78	---	---	---	---	---	---	---	29.07	29.00	28.83	---	1981
MOYEN	28.95	28.81	28.86	28.87	29.57	29.56	29.38	29.23	29.25	29.29	29.28	29.08	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 201.470 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 51 18 52 — BASSIN VERSANT, 40 900 km²
LONG 76 54 34 — DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

NICHICUN (LAC) - STATION NO. 03DA001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1950	---	---	---	---	22.34	23.13	23.34	23.07	22.74	22.68	22.78	22.74	---	1950
1951	22.80	22.45	22.32	22.34	22.59	22.82	22.82	22.73	22.61	22.57	22.68	22.84	22.80	1951
1952	22.51	22.36	22.27	22.26	22.51	23.21	23.24	22.94	22.92	22.93	22.80	22.88	22.72	1952
1953	22.51	22.38	22.26	22.25	22.45	22.82	22.82	22.78	22.74	22.82	22.80	22.78	22.62	1953
1954	22.80	22.45	22.35	22.21	22.50	22.97	22.95	22.78	22.72	22.71	22.72	22.83	22.83	1954
1955	22.52	22.38	22.24	22.13	22.40	22.80	22.81	22.67	22.58	22.58	22.72	22.88	22.58	1955
1956	22.55	22.42	22.29	22.17	22.17	22.83	23.12	22.98	22.82	23.01	22.86	22.75	22.67	1956
1957	22.50	---	---	---	---	22.85	23.36	23.15	23.00	22.92	22.84	22.72	---	1957
1958	22.58	22.44	22.35	22.28	22.47	23.23	23.31	22.87	22.81	22.83	22.87	22.70	22.78	1958
1959	---	22.38	22.24	22.24	22.52	23.32	23.31	23.20	22.82	22.85	23.01	22.92	---	1959
1960	22.68	22.47	22.33	22.24	22.47	23.00	22.98	22.98	23.07	23.02	23.01	22.89	22.78	1960
1961	22.88	22.50	22.35	22.25	22.45	22.79	22.86	22.73	22.85	22.86	22.84	22.81	22.80	1961
1962	22.50	22.38	22.30	22.22	22.33	22.84	22.88	22.88	22.71	22.73	22.85	22.48	22.58	1962
1963	22.32	22.25	22.09	21.88	22.19	22.85	22.95	22.83	22.84	22.84	22.84	22.58	22.48	1963
1964	22.47	22.38	22.30	22.25	22.67	23.27	23.03	22.78	22.73	22.79	22.80	22.88	22.88	1964
1965	22.54	22.40	22.31	22.23	22.35	23.03	23.40	23.38	23.29	23.14	23.01	22.81	22.83	1965
1966	22.82	22.48	22.41	22.43	22.58	23.13	23.25	23.16	23.13	23.10	23.08	23.00	22.87	1966
1967	22.80	22.62	22.48	22.45	22.63	23.15	23.30	23.32	23.21	23.11	23.23	23.19	22.98	1967
1968	23.01	22.83	22.68	22.61	22.89	23.28	23.28	23.39	23.55	23.53	23.37	23.17	23.14	1968
1969	23.01	22.90	22.80	22.71	22.81	23.40	23.65	23.67	23.59	23.71	23.66	23.50	23.30	1969
1970	22.87	22.81	22.67	22.37	22.58	23.00	23.14	22.92	22.83	22.80	22.73	22.61	22.78	1970
1971	22.41	---	---	---	---	22.78	22.91	22.80	22.87	23.18	23.15	---	---	1971
1972	---	---	---	---	---	22.84	23.12	22.95	22.87	22.87	22.80	22.88	---	1972
1973	22.24	---	---	---	---	23.24	23.11	22.89	22.89	---	---	---	---	1973
1974	22.80	---	---	---	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	---	---	23.15	22.98	22.78	22.67	22.85	---	---	1975
1976	---	---	---	---	22.68	23.32	---	---	22.67	---	---	---	---	1976
1977	---	---	---	22.32	22.48	23.20	23.13	---	---	---	---	---	---	1977
1978	---	---	---	22.34	22.48	23.15	23.36	23.27	23.20	23.00	22.84	---	---	1978
1979	---	---	---	---	22.81	23.41	23.20	22.98	22.89	22.98	23.17	---	---	1979
1980	---	22.52	22.38	22.32	22.63	23.12	23.07	---	---	22.74	22.81	22.71	---	1980
1981	---	22.46	22.37	22.34	22.50	23.29	23.29	22.85	22.81	22.80	22.81	---	---	1981
1982	---	---	---	22.24	22.45	23.12	---	23.18	---	---	---	22.78	---	1982
1983	22.81	22.49	22.40	22.43	22.77	23.35	---	---	---	---	---	---	---	1983
MOYEN	22.81	22.49	22.37	22.30	22.53	23.08	23.18	23.00	22.80	22.80	22.88	22.78	22.78	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 504.511 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 53 12 04 — BASSIN VERSANT, 5 720 km²
LONG 70 54 00 — DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

NICHICUN (LAC) - STATION NO. 030A001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1950	---	---	---	1950
1951	---	22.88 LE 22 JUN	22.26 LE 30 MAR	1951
1952	---	23.38 LE 23 JUN	22.23 LE 1 AVR	1952
1953	---	22.98 LE 28 JUN	22.21 LE 1 AVR	1953
1954	---	23.05 LE 25 JUN	22.14 LE 25 AVR	1954
1955	---	23.02 LE 2 JUL	22.12 LE 7 AVR	1955
1956	---	23.17 LE 15 JUL	22.12 LE 20 AVR	1956
1957	---	---	---	1957
1958	---	23.46 LE 30 JUN	22.25 LE 17 AVR	1958
1959	---	---	---	1959
1960	---	23.10 LE 30 JUN	22.23 LE 15 AVR	1960
1961	---	22.88 LE 28 JUN	22.24 LE 22 AVR	1961
1962	---	22.85 LE 26 JUN	22.16 LE 28 AVR	1962
1963	---	23.02 LE 3 JUL	21.81 LE 22 AVR *	1963
1964	---	23.36 LE 24 JUN	22.24 LE 12 AVR	1964
1965	---	23.45 LE 12 JUL	22.21 LE 4 MAI	1965
1966	---	23.37 LE 29 JUN	22.39 LE 21 MAR	1966
1967	---	23.37 LE 16 AOU	22.42 LE 30 AVR	1967
1968	---	23.59 LE 23 SEP	22.54 LE 13 AVR	1968
1969	---	23.81 LE 11 JUL *	22.89 LE 24 AVR	1969
1970	---	23.27 LE 3 JUL	22.30 LE 23 AVR	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 504.611 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

NICOLET SUD-OUEST (RIVIERE) A LA VISITATION - STATION NO. 020D004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	---	---	---	---	---	---	---	---	---	22.14	22.33	22.72	---	1968
1969	22.76	22.76	22.86	24.04	22.89	22.33	22.24	22.20	22.33	22.19	22.76	22.89	22.85	1969
1970	22.84	23.08	23.00	24.25	22.71	22.25	22.18	22.07	22.55	---	22.37	22.72	---	1970
1971	22.80	22.83	23.30	24.44	22.82	22.12	22.08	22.83	22.78	22.34	22.34	22.87	22.74	1971
1972	22.87	22.71	23.35	24.58	22.83	22.70	22.73	23.18	22.32	22.76	22.80	23.10	22.89	1972
1973	23.46	23.43	24.06	---	---	---	22.40	22.35	22.83	22.89	22.83	23.56	---	1973
1974	23.79	23.26	23.18	23.82	23.36	---	---	22.38	22.38	22.21	22.61	22.86	---	1974
1975	22.81	22.70	23.78	23.75	22.47	22.41	22.27	22.17	22.31	22.45	22.86	22.83	22.72	1975
1976	22.78	23.84	24.40	23.80	---	---	22.72	22.86	22.49	22.78	22.78	23.20	---	1976
1977	22.74	22.85	23.82	23.07	22.28	22.28	22.15	22.21	22.30	22.89	22.58	22.86	22.88	1977
1978	23.24	22.98	23.11	24.43	---	22.31	22.19	22.17	22.15	22.38	22.44	---	---	1978
1979	23.13	22.86	23.87	---	22.75	22.36	22.14	22.30	22.87	22.37	22.84	22.86	---	1979
1980	22.88	22.84	23.37	22.81	22.46	22.21	22.28	22.28	22.47	22.86	22.71	22.93	22.84	1980
1981	22.80	---	22.87	22.88	22.84	22.82	22.39	22.75	22.42	22.73	22.87	22.88	---	1981
1982	22.87	22.77	23.35	23.98	---	---	---	---	---	---	---	---	---	1982
MOYEN	22.85	22.87	23.43	23.80	22.83	22.38	22.31	22.41	22.45	22.52	22.80	22.92	22.74	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 07 47 BASSIN VERSANT, 1 550 km²
LONG 72 35 45 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

NICOLET SUD-OUEST (RIVIERE) A LA VISITATION - STATION NO. 020D004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1968	---	---	---	1968
1969	---	25.83 LE 11 AVR	21.92 LE 15 OCT	1969
1970	---	---	---	1970
1971	---	26.28 LE 15 AVR *	21.89 LE 27 JUN *	1971
1972	---	26.15 LE 13 AVR	22.15 LE 30 MAI	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	25.58 LE 21 MAR	22.10 LE 2 JUL	1975
1976	---	---	---	1976
1977	---	25.30 LE 16 MAR	22.08 LE 25 JUL	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	26.14 LE 23 MAR	22.12 LE 15 MAI	1980
1981	---	---	---	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

NORD (RIVIER DU) AU BARRAGE BRULE - STATION NO. 02LC015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	388.86	388.84	388.71	388.84	387.08	388.83	388.90	388.77	388.51	388.19	388.19	388.80	388.72	1964
1965	387.05	388.93	388.87	388.86	387.20	387.08	388.98	387.08	387.10	387.14	387.08	388.88	388.89	1965
1966	388.99	388.89	388.85	388.94	387.08	387.10	388.80	387.00	388.78	388.78	387.18	387.22	388.86	1966
1967	387.11	388.80	388.47	388.98	387.08	387.14	387.08	387.00	388.88	388.98	387.07	388.94	388.88	1967
1968	388.86	388.81	388.53	387.23	388.94	387.08	387.13	388.97	388.80	388.88	387.04	387.13	388.84	1968
1969	387.07	388.78	388.33	388.91	387.24	387.08	387.08	387.05	388.98	388.78	388.89	388.92	388.93	1969
1970	388.77	388.78	388.88	388.84	387.08	388.80	388.75	388.77	388.89	388.71	388.97	388.89	388.82	1970
1971	387.01	388.78	388.58	388.75	387.25	387.07	387.05	387.00	387.05	387.04	388.95	387.01	388.96	1971
1972	388.86	---	388.87	388.80	387.29	387.14	387.22	387.09	387.04	387.18	387.14	387.02	---	1972
1973	388.98	388.89	388.91	387.11	387.12	387.13	387.12	387.08	387.02	387.05	388.88	387.02	387.03	1973
1974	388.97	387.00	388.82	---	387.28	387.12	387.02	388.89	---	387.18	387.09	387.04	---	1974
1975	388.98	388.89	388.81	388.80	387.31	387.15	388.98	388.78	388.84	387.10	387.14	387.13	388.98	1975
1976	388.98	388.83	388.87	387.27	387.02	387.03	387.11	387.07	387.11	387.11	387.10	387.09	387.03	1976
1977	387.03	388.89	388.88	---	387.08	387.11	387.11	387.13	387.08	---	387.13	387.09	---	1977
1978	387.05	388.89	388.81	388.78	387.20	387.21	387.15	---	387.09	387.03	387.08	387.07	---	1978
1979	387.11	387.05	388.82	387.15	387.07	387.10	387.11	387.10	387.13	---	387.14	387.10	---	1979
1980	387.00	388.93	388.88	387.16	387.12	387.12	387.10	387.12	388.88	387.07	387.04	388.91	387.04	1980
1981	388.78	388.86	387.07	387.21	387.13	387.16	387.08	387.07	387.12	387.14	387.08	---	---	1981
1982	388.80	388.78	388.88	388.89	387.11	387.14	387.08	387.01	387.10	---	387.13	387.12	---	1982
1983	387.05	387.05	387.02	387.13	387.24	387.11	387.14	387.06	388.88	387.06	387.13	387.11	387.08	1983
1984	387.03	387.05	388.78	387.06	387.19	387.15	387.17	387.13	387.14	387.11R	387.08R	387.12R	387.08R	1984
1985	388.88	388.87	388.88	387.02	387.16	387.16	387.12	387.03	387.06	---	387.08R	388.81R	---	1985
1986	388.83	388.82	388.88	387.20	---	387.16	387.14	387.15	387.19	387.12R	387.07R	387.04R	---	1986
1987	388.98	388.94	388.87	---	387.15	387.15	387.13	387.08	373.71	---	---	---	---	1987
MOYEN	388.87	388.88	388.77	388.88	387.15	387.10	387.06	387.02	387.26	388.88R	387.04R	387.03R	388.87R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 04 40 BASSIN VERSANT, 141 km²
LONG 74 18 55 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

NORD (RIVIER DU) AU BARRAGE BRULE - STATION NO. 02LC015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	387.46 LE 20 AVR	388.14 LE 9 OCT *	1964
1965	---	387.32 LE 27 AVR	388.22 LE 4 AVR	1965
1966	---	387.26 LE 11 NOV	388.59 LE 28 SEP	1966
1967	---	387.39 LE 25 AVR	388.32 LE 27 MAR	1967
1968	---	387.44 LE 18 AVR	388.37 LE 15 MAR	1968
1969	---	387.46 LE 19 AVR	388.26 LE 13 MAR	1969
1970	---	387.59 LE 30 AVR	388.51 LE 1 AVR	1970
1971	---	387.41 LE 9 MAI	388.48 LE 9 AVR	1971
1972	---	---	---	1972
1973	---	387.50 LE 24 AVR	388.87 LE 23 FEV	1973
1974	---	---	---	1974
1975	---	387.51 LE 7 MAI	388.48 LE 13 AVR	1975
1976	---	387.82 LE 19 AVR *	388.80 LE 20 MAR	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	387.44 LE 11 AVR	388.79 LE 30 MAR	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	387.58 LE 4 MAI	388.88 LE 19 MAR	1983
1984	---	387.40 LE 18 AVR	388.53 LE 2 AVR	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

NORD (RIVIERE DU) AU BARRAGE DE LA MONTAGNE NOIRE - STATION NO. 02LC011

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	452.08	452.17	452.28	452.60	453.25	453.31	452.85	452.17	452.05	452.05	452.11	452.08	452.42	1964
1965	451.97	452.05	452.13	452.30	452.88	453.01	452.98	452.70	452.87	453.30	453.31	453.13	452.73	1965
1966	453.17	453.19	453.01	452.57	453.04	453.31	453.27	453.13	453.03	453.05	453.28	453.49	453.13	1966
1967	453.33	453.28	453.13	453.35	453.42	453.45	453.31	453.24	452.78	452.91	453.31	453.43	453.24	1967
1968	453.34	453.28	452.87	452.80	452.94	453.09	453.18	453.10	453.07	453.08	453.10	453.22	453.09	1968
1969	453.31	452.88	452.81	452.99	453.39	453.40	453.44	453.34	452.94	452.81	453.00	453.01	453.08	1969
1970	453.20	453.30	453.30	452.92	452.98	453.08	453.12	453.11	453.14	453.31	453.45	453.58	453.21	1970
1971	453.82	453.85	453.52	453.48	453.87	453.71	453.57	453.43	453.44	453.10	452.73	---	---	1971
1972	453.05	453.11	453.12	453.17	453.88	453.87	453.47	453.54	453.60	453.55	453.50	453.18	453.38	1972
1973	453.14	453.15	453.01	453.05	453.25	453.40	453.43	453.37	453.33	453.06	452.83	453.06	453.17	1973
1974	453.21	453.28	453.22	453.14	453.38	453.48	453.42	453.28	453.11	453.09	453.22	453.37	453.27	1974
1975	453.41	453.41	453.18	453.08	453.43	---	453.30	453.14	452.98	453.01	453.14	453.32	---	1975
1976	453.38	453.38	453.21	453.30	---	---	---	453.38	453.24	453.41	453.38	453.41	---	1976
1977	453.30	453.27	453.02	453.09	453.30	453.40	---	453.37	453.38	453.42	453.41	---	---	1977
1978	453.38	---	453.08	453.08	453.30	453.37	453.44	---	453.42	453.48	453.48	---	---	1978
1979	---	---	453.11	452.98	453.42	453.43	453.48	453.45	---	453.43	453.47	453.41	---	1979
1980	453.38	453.29	453.24	453.32	453.41	453.43	453.50	453.42	453.44	453.45	453.38	---	---	1980
1981	---	453.38	453.20	453.38	453.50	453.52	453.47	453.44	453.47	453.48	453.47	---	---	1981
1982	---	453.28	453.20	453.15	453.38	453.45	453.41	453.30	453.35	453.37	453.44	453.48	---	1982
1983	453.38	453.34	453.28	453.32	453.42	453.39	453.35	453.34	453.35	453.44	453.43	453.38	453.37	1983
1984	453.30	453.28	453.19	453.20	---	---	---	---	---	453.32R	453.43R	453.48R	---	1984
1985	453.28	---	---	453.25	453.43	453.47	453.38	453.34	453.30	453.38	453.43R	453.50R	---	1985
1986	453.49	453.35	453.31	453.38	453.43	453.41	453.45	453.48	453.45	453.50R	453.33R	453.28R	453.40R	1986
1987	453.23	453.21	453.22	453.38	453.43	453.38	453.38	453.29	453.28	---	---	---	---	1987
MOYEN	453.18	453.16	453.08	453.09	453.33	453.39	453.34	453.24	453.18	453.21R	453.24R	453.28R	453.13R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 10 55 BASSIN VERSANT, 13.1 km²
LONG 74 16 38 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

NORD (RIVIERE DU) AU BARRAGE DE LA MONTAGNE NOIRE - STATION NO. 02LC011

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	453.42 LE 28 MAI	452.01 LE 22 JAN	1964
1965	---	453.38 LE 25 OCT	451.92 LE 21 JAN *	1965
1966	---	453.64 LE 12 DEC	452.43 LE 15 AVR	1966
1967	---	453.58 LE 17 JUN	452.67 LE 21 SEP	1967
1968	---	453.41 LE 1 JAN	452.89 LE 21 MAR	1968
1969	---	453.51 LE 29 JUL	452.58 LE 25 FEV	1969
1970	---	453.61 LE 30 DEC	452.81 LE 15 AVR	1970
1971	---	453.75 LE 31 MAI	452.89 LE 1 NOV	1971
1972	---	454.00 LE 14 MAI *	452.98 LE 1 JAN	1972
1973	---	453.48 LE 12 JUN	452.76 LE 25 OCT	1973
1974	---	453.59 LE 14 MAI	453.00 LE 10 AVR	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	453.62 LE 1 MAI	453.22 LE 17 MAR	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	453.55 LE 13 SEP	453.22 LE 1 AVR	1986
1987	---	453.51 LE 30 MAI	453.19 LE 25 FEV	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

NORD (RUISSEAU) SUR LE CHEMIN SAINT-DOMINIQUE - STATION NO. 02LC019

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	---	---	---	84.482	83.940	83.378	83.460	83.378	83.232	83.422	83.440	83.326	---	1972
1973	83.408	83.509	83.811	83.631	83.347	83.238	83.138	83.035	83.038	83.182	83.180	83.237	83.312	1973
1974	83.348	83.283	83.547	83.840	83.618	83.174	83.022	83.020	83.000	83.028	83.271	---	---	1974
1975	---	---	83.593	84.178	83.222	83.132	82.934	82.898	83.062	83.202	83.260	83.160	---	1975
1976	48.878	83.795	83.828	84.084	83.292	83.088	83.047	82.988	83.006	83.183	83.122	83.007	82.088	1976
1977	82.928	83.347	84.088	83.678	83.023	82.881	82.943	83.018	83.172	83.487	83.336	83.286	83.265	1977
1978	84.017	83.382	83.398	84.225	83.073	82.883	82.912	82.923	82.937	82.988	83.081	83.143	83.251	1978
1979	83.384	83.358	83.957	83.740	83.184	83.027	83.027	83.184	83.312	83.431	83.341	83.368	83.369	1979
1980	83.382	83.080	83.470	83.858	83.158	83.038	83.218	83.134	83.211	83.318	83.178	83.186	83.233	1980
1981	83.010	83.878	83.267	83.482	83.183	83.263	83.038	83.128	83.188	83.223	83.208	83.127	83.250	1981
1982	83.174	83.077	83.538	84.405	83.048	83.134	82.987	83.011	83.059	83.084	83.241	83.392	83.260	1982
1983	83.204	83.318	83.629	83.801	83.589	83.041	82.983	82.955	82.981	83.027	83.486	83.259	83.270	1983
1984	0.48 R	0.88 R	0.85 R	1.29 R	0.45 R	0.30 R	0.30 R	0.48 R	0.38 R	0.21 R	0.47 R	0.54 R	0.54 R	1984
1985	83.18 R	83.22 R	84.09 R	83.88 R	83.03 R	83.00 R	82.84 R	82.82 R	82.85 R	83.13 R	82.40 R	82.28 R	83.08 R	1985
1986	82.423	82.230	82.707	82.861	82.218	82.100	82.050	82.074	82.240	82.194	82.204	82.430	82.285	1986
MOYEN	57.268R	58.492R	59.133R	59.845R	58.998R	58.857R	58.788R	58.807R	58.849R	58.939R	58.949R	58.825R	57.849R	MOYEN

PLAN DE REFERENCE - GEODESIQUES
AJOUTER -82.748 m POUR OBTENIR LES COTES ARBITRAIRE

LOCATION - LAT 45 44 12 BASSIN VERSANT, 22.6 km²
LONG 74 00 03 DEBIT NATUREL

R - REVISEE DEPUIS JAN 1, 1988

NORD (RUISSEAU) SUR LE CHEMIN SAINT-DOMINIQUE - STATION NO. 02LC019

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	84.674 LE 3 AVR	83.130 LE 21 SEP	1972
1973	---	84.536 LE 16 MAR	82.950E LE 7 SEP	1973
1974	---	84.627 LE 5 AVR	82.923 LE 15 JUL	1974
1975	---	84.727 LE 24 AVR	82.874 LE 8 SEP	1975
1976	---	85.028 LE 3 AVR	TARIS LE 19 JAN *	1976
1977	---	84.936 LE 16 MAR	82.889 LE 15 JAN	1977
1978	---	84.800 LE 1 AVR	82.895 LE 17 AOU	1978
1979	---	85.035 LE 14 SEP	82.987 LE 21 JUN	1979
1980	---	84.684 LE 22 MAR	82.972 LE 11 JUL	1980
1981	---	85.348E LE 26 FEV	82.946 LE 26 MAI	1981
1982	---	85.419E LE 3 AVR *	82.987 LE 25 AOU	1982
1983	---	84.746 LE 19 MAR	82.886 LE 27 JUL	1983
1984	---	2.05 R LE 12 NOV	0.17 R LE 21 OCT	1984
1985	---	84.42 R LE 28 MAR	82.07 R LE 27 NOV	1985
1986	---	83.711 LE 3 AVR	81.989 LE 9 MAR	1986

PLAN DE REFRENCE - GEODESIQUES
AJOUTER -82.746 m POUR OBTENIR LES COTES ARBITRAIRE

E - ESTIMATIVE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

NOUVELLE (RIVIERE) EN AMONT DU PONT - STATION NO. 01BF003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	---	---	---	---	---	---	---	---	---	21.72	21.55	21.27	---	1987
1988	21.07	---	---	---	---	21.46	21.30	21.27	21.28	21.30	21.38	---	---	1988
1989	---	---	21.16	21.26	22.16	21.75	---	---	21.56	21.38	21.53	21.35	---	1989
1990	21.61	---	---	21.16	22.05	21.89	21.33	21.24	21.41	21.72	21.38	21.42	---	1990
MOYEN	21.34	---	21.16	21.24	22.11	21.84	21.32	21.26	21.42	21.53	21.46	21.35	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 09 42
LONG 66 22 49

BASSIN VERSANT, 867 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

NOUVELLE (RIVIERE) EN AVAL DU PONT - STATION NO. 01BF003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	---	---	---	---	---	---	---	---	---	6.39	6.22	6.08	---	1987
1988	5.90	---	---	6.37	6.50	6.14	---	5.95	5.97	6.03	6.06	5.95	---	1988
1989	5.91	5.91	5.90	6.08	6.99	---	---	---	6.40	6.19	6.37	---	---	1989
1990	---	---	---	---	7.00	6.48	6.10	5.93	6.17	6.36	---	---	---	1990
MOYEN	5.91	5.91	5.90	6.23	6.83	6.31	6.10	5.94	6.18	6.24	6.22	6.02	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 08 08
LONG 66 19 10

BASSIN VERSANT, 1 180 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

OPINACA (RESERVOIR) A LA DIGUE OA-10 - STATION NO. 03CE002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	---	---	26.63R	26.68R	26.50R	25.39R	25.08R	24.87R	---	---	1983
1984	---	23.99R	---	23.58R	24.63R	25.68R	26.28R	26.32R	26.34R	26.68R	26.03R	---	---	1984
1985	---	24.77	24.13	23.77	23.73	---	---	---	---	---	---	---	---	1985
MOYEN	---	24.38R	24.13	23.68R	24.18R	26.26R	26.47R	26.41R	25.87R	25.87R	25.45R	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 52 22 35
LONG 78 48 25

BASSIN VERSANT, 10 400 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

ORFORD (LAC) - STATION NO. 020H009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1970	---	---	---	---	---	---	---	---	29.82R	29.78R	29.77R	29.88R	---	1970
1971	29.81R	29.73R	29.88R	29.87R	30.26R	29.91R	29.87R	29.91R	30.03R	29.90R	29.78R	30.07R	29.90R	1971
1972	---	29.72R	29.73R	29.84R	30.04R	29.98R	29.88R	30.00R	29.91R	29.83R	29.81R	29.79R	---	1972
1973	29.81R	29.78R	30.02R	30.08R	30.00R	29.88R	30.05R	29.89R	29.88R	29.98R	29.95R	30.03R	29.95R	1973
1974	29.97R	---	29.82R	30.05R	30.13R	30.06R	30.00R	29.88R	29.77R	29.80R	29.79R	---	---	1974
1975	---	---	---	---	---	---	29.85R	29.78R	29.89R	29.95R	---	29.86R	---	1975
1976	---	29.78R	---	---	---	29.85R	29.84R	29.88R	---	29.84R	---	---	---	1976
1977	---	---	---	29.89R	30.05R	---	29.93R	---	29.99R	---	30.10R	30.18R	---	1977
1978	---	30.18R	---	30.16R	---	---	---	30.10R	---	---	---	30.04R	---	1978
1979	---	30.07R	---	30.17R	30.14R	30.12R	29.99R	29.94R	---	---	---	---	---	1979
1980	---	29.89R	29.93R	30.18R	30.16R	30.09R	30.10R	30.16R	30.10R	30.08R	30.21R	30.10R	---	1980
1981	29.85R	30.11R	29.91R	30.20R	30.10R	30.14R	30.08R	30.15R	30.13R	30.09R	30.14R	30.09R	30.08R	1981
1982	30.05R	30.01R	30.06R	30.27R	30.05R	29.97R	---	---	---	---	---	---	---	1982
MOYEN	29.92R	29.92R	29.88R	30.07R	30.10R	30.01R	29.97R	29.97R	29.95R	29.92R	29.84R	29.97R	29.88R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 17 45 BASSIN VERSANT, 9.88 km²
LONG 72 18 40 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

ORFORD (LAC) - STATION NO. 020H009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1970	---	---	---	1970
1971	---	30.64R LE 10 MAI *	29.67R LE 2 MAR *	1971
1972	---	---	---	1972
1973	---	30.27R LE 1 JUL	29.75R LE 19 FEV	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	30.38R LE 22 FEV	29.78R LE 26 MAR	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

OUAREAU (LAC) - STATION NO. 020B019

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	28.55	28.67	28.58	28.64	28.72	28.74	---	1966
1967	28.50	28.46	---	---	28.67	---	---	28.61	28.55	28.61	28.77	---	---	1967
1968	---	---	---	---	28.64	29.01	28.64	28.67	28.63	28.47	28.42	---	---	1968
1969	---	---	---	---	---	29.13	28.71	---	28.54	28.17	28.58	28.36	---	1969
1970	28.28	28.21	28.22	28.61	29.13	28.58	---	28.60	28.60	---	28.52	28.50	---	1970
1971	28.29	28.24	28.23	28.31	29.22	28.79	28.62	---	28.61	28.52	---	---	---	1971
1972	---	28.64	28.60	28.68	29.33	---	---	28.76	28.67	28.68	28.53	28.35	---	1972
1973	28.29	28.39	28.59	---	28.95	---	28.64	28.77	28.61	28.45	28.43	28.60	---	1973
1974	28.67	28.64	28.65	28.73	29.30	28.61	28.77	28.77	28.76	28.62	28.61	28.76	28.62	1974
1975	28.65	28.58	28.67	28.59	29.14	28.68	---	---	28.27	28.62	---	28.94	---	1975
1976	---	28.61	---	29.20	28.89	28.54	28.91	28.91	---	28.63	28.54	28.59	---	1976
1977	28.61	28.46	28.58	28.66	---	---	---	28.64	28.38	28.38	28.53	28.78	---	1977
1978	28.59	28.63	28.64	28.59	28.98	28.77	28.79	---	---	28.45	28.77	28.84	---	1978
1979	28.61	28.50	28.61	28.79	29.10	28.81	28.90	28.75	28.65	28.92	28.72	28.79	28.79	1979
1980	28.65	28.47	28.39	28.61	28.68	28.79	28.60	28.63	28.74	28.67	28.66	28.46	28.69	1980
1981	28.32	28.46	28.54	28.69	28.84	28.91	28.68	28.72	28.65	28.73	28.82	28.66	28.73	1981
1982	---	---	---	28.75	28.95	28.73	28.69	---	---	---	---	---	---	1982
MOYEN	28.51	28.50	28.50	28.75	29.03	28.82	28.78	28.78	28.63	28.61	28.64	28.65	28.78	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 355.005 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 15 59 BASSIN VERSANT, 355 km²
LONG 74 10 01 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

OUAREAU (LAC) - STATION NO. 020B019

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	29.78 LE 3 MAI	28.50 LE 4 AVR	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	29.68 LE 1 MAI	28.45 LE 3 MAR	1979
1980	---	29.23 LE 17 AVR	28.36 LE 17 MAR	1980
1981	---	29.87 LE 7 AVR *	28.17 LE 28 MAR *	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 355.005 M POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUASIEMSCA (RIVIERE) EN AVAL DE LA RIVIERE MICOSAS - STATION NO. 02RE003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	---	---	---	---	---	---	---	---	30.88	---	1965
1966	30.83	30.78	30.75	31.21	---	---	---	---	---	31.78	31.79	---	---	1966
1968	---	---	---	---	---	---	---	---	---	32.04	31.17	30.87	---	1968
1969	30.84	---	30.72	30.89	32.31	32.34	32.42	32.41	32.39	31.95	31.25	30.93	---	1969
1970	30.82	30.77	30.75	30.90	32.27	32.19	32.41	32.19	32.44	32.08	31.32	30.91	31.59	1970
1971	30.87	---	30.88	30.85	32.24	32.09	32.24	---	---	32.28	31.52	---	---	1971
1972	30.84	---	---	---	32.24	32.43	32.03	31.75	32.33	32.15	---	30.92	---	1972
1973	30.83	30.83	30.75	31.40	32.72	32.80	32.34	32.71	32.57	32.31	31.15	30.92	31.77	1973
1974	30.84	30.78	30.74	30.87	32.63	32.72	32.29	---	32.28	32.33	31.80	31.10	---	1974
1975	30.88	30.74	---	---	---	---	32.58	32.52	32.52	32.18	31.87	---	---	1975
1976	---	---	---	31.38	32.58	32.52	32.40	32.61	32.55	32.39	31.07	30.73	---	1976
1977	30.84	30.57	30.62	31.15	---	---	---	32.15	32.25	31.75	31.19	30.88	---	1977
1978	---	30.63	30.65	30.70	32.38	32.68	32.70	32.37	32.45	32.42	31.24	30.74	---	1978
1979	---	---	---	31.28	32.31	31.27	---	---	---	---	---	---	---	1979
MOYEN	30.80	30.71	30.70	31.07	32.41	32.34	32.38	32.33	32.42	32.13	31.38	30.87	31.68	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 08 09 BASSIN VERSANT, 3 320 km²
LONG 72 43 57 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

OUASIEMSCA (RIVIERE) EN AVAL DE LA RIVIERE MICOSAS - STATION NO. 02RE003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	---	1965
1966	---	---	---	1966
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	33.32 LE 4 MAI *	30.70 LE 28 MAR *	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	33.04 LE 4 MAI	30.70 LE 11 MAR	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUIATCHOUANE (RIVIERE) AU RESERVOIR DES COMMISSAIRES - STATION NO. 02RG007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	22.38	21.20	20.47	21.01	22.88	24.33	24.70	24.80	24.57	24.58	24.76	24.15	23.32	1985
1986	21.58	20.80	20.77	21.28	23.37	24.56	24.73	24.70	24.57	24.69	24.77	24.85	23.42	1986
1987	24.65	22.69	21.33	21.07	23.61	24.77	24.86	24.71	24.47	24.65	24.69	24.73	23.85	1987
1988	22.98	21.24	20.84	22.20	23.84	24.28	24.41	24.78	24.68	24.85	24.86	24.71	23.85	1988
1989	23.84	22.48	21.21	21.19	24.14	24.84	24.74	24.44	24.85	24.80	24.98	24.68	23.84	1989
1970	23.00	21.86	21.14	21.12	24.38	24.84	24.56	23.58	23.80	24.32	24.57	23.82	23.38	1970
1971	21.85	20.98	20.84	21.01	23.77	23.48	23.25	23.18	23.15	23.22	22.31	21.14	22.38	1971
1972	19.98	19.84	19.82	19.78	21.48	21.76	21.03	20.39	20.19	20.72	20.42	19.83	20.48	1972
1973	19.81	19.86	19.88	20.15	21.65	21.21	20.80	22.15	23.19	23.85	24.28	24.80	21.80	1973
1974	24.83	---	22.05	---	23.70	24.84	24.83	24.75	24.15	24.82	24.95	24.89	---	1974
1975	23.88	22.34	---	---	23.25	24.71	---	24.66	24.80	24.64	24.85	24.81	---	1975
1976	23.85	22.32	20.85	21.82	23.80	24.85	24.78	24.82	24.75	24.76	24.85	24.81	23.82	1976
1977	24.03	22.86	21.76	21.76	24.27	24.66	24.89	24.67	24.83	24.71	24.82	24.87	23.88	1977
1978	24.25	22.77	21.82	21.35	23.78	24.72	---	24.66	---	24.84	24.78	24.84	---	1978
1979	24.24	22.80	21.87	21.75	24.38	24.77	---	---	24.80	24.71	24.88	24.73	---	1979
1980	24.35	23.33	22.85	23.40	24.70	24.71	---	24.88	24.88	24.88	24.84	24.82	---	1980
1981	24.08	23.13	23.00	23.84	24.86	24.79	24.73	24.83	24.44	24.28	24.41	24.53	24.24	1981
1982	24.38	---	---	21.55	23.71	---	24.87	24.78	24.82	24.28	24.57	24.40	---	1982
1983	23.84	22.88	21.80	22.04	24.88	24.83	24.73	---	24.59	24.73	24.82	24.88	---	1983
1984	23.28	21.59	---	---	24.84	24.87	24.84	24.59	24.41	24.28R	24.28R	24.52R	---	1984
1985	23.81	22.26	20.70	20.48	23.47	24.89	24.81	---	---	24.62R	24.60R	24.58R	---	1985
1986	23.62	22.23	20.89	21.87	24.80	24.78	24.76	24.70	24.88	24.73R	24.61R	24.08R	23.62R	1986
1987	23.06	21.75	---	21.94	22.98	23.87	24.18	24.28	24.35	---	---	---	---	1987
MOYEN	23.26	21.95	21.32	21.64	23.74	24.32	24.21	24.19	24.19	24.34R	24.37R	24.19R	23.23R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 12 05 BASSIN VERSANT, 582 km²
LONG 72 14 35 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

OUIATCHOUANE (RIVIERE) AU RESERVOIR DES COMMISSAIRES - STATION NO. 02RG007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1985	---	24.85 LE 28 NOV	20.22 LE 19 MAR	1985
1986	---	24.94 LE 11 DEC	20.73 LE 10 MAR	1986
1987	---	25.05 LE 20 OCT	20.88 LE 5 AVR	1987
1988	---	24.98 LE 7 DEC	20.90 LE 18 MAR	1988
1989	---	25.05 LE 13 MAI *	20.88 LE 9 AVR	1989
1970	---	---	---	1970
1971	---	24.89 LE 7 JUN	20.82 LE 12 AVR	1971
1972	---	24.39 LE 16 MAI	20.80 LE 8 AVR	1972
1973	---	22.35 LE 23 MAI	19.71 LE 16 AVR	1973
1974	---	24.96 LE 23 DEC	19.62 LE 16 AVR *	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	25.01 LE 18 AOU	20.77 LE 21 MAR	1977
1978	---	24.78 LE 19 OCT	21.31 LE 31 MAR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	25.10 LE 14 MAI	22.53 LE 30 MAR	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	25.11 LE 24 MAI	20.84 LE 30 MAR	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUIQUI (LAC) - STATION NO. 02RG018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1976	---	---	---	---	---	---	---	---	---	---	---	158.21R	---	1976
1977	158.03R	157.65R	157.32R	156.86R	156.88R	157.41R	157.97R	158.23R	158.31R	158.34R	158.43R	158.40R	157.83R	1977
1978	158.28R	157.87R	157.59R	157.11R	---	---	157.91R	158.22R	158.25R	---	158.38R	158.45R	---	1978
1979	---	158.08R	157.73R	157.47R	---	---	158.13R	158.04R	157.84R	157.77R	157.89R	---	---	1979
1980	---	158.08R	157.89R	157.28R	157.05R	157.29R	---	---	---	---	---	158.44R	---	1980
1981	158.25R	158.00R	157.84R	---	158.20R	---	---	158.10R	157.78R	157.65R	157.80R	158.24R	---	1981
1982	---	---	157.58R	157.15R	---	---	---	---	157.98R	157.81R	158.11R	158.42R	---	1982
1983	158.62R	158.37R	158.08R	157.80R	157.62R	158.17R	158.23R	158.08R	157.93R	157.78R	157.78R	157.87R	158.04R	1983
1984	157.83R	157.68R	157.41R	157.14R	157.21R	157.75R	158.14R	158.21R	158.12R	157.93R	157.77R	157.81R	157.78R	1984
1985	157.68	157.77	157.51	157.12	156.91	157.41	157.86	---	158.11	157.98R	157.93R	157.67R	---	1985
1986	157.78	157.60	157.20	157.05	157.18	157.80	158.22	158.30	158.30	158.36R	158.44R	158.44R	157.88R	1986
1987	158.28	157.96	157.53	157.23	157.21	157.53	---	---	158.02	---	---	---	---	1987
MOYEN	158.10R	157.88R	157.60R	157.24R	157.32R	157.62R	158.08R	158.17R	158.08R	157.97R	158.07R	158.22R	157.88R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 21 47 BASSIN VERSANT, 0.26 km²
LONG 71 33 42 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

OUIOUI (LAC) - STATION NO. 02RG018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1976	---	---	---	1976
1977	---	159.39R LE 8 NOV *	155.55R LE 26 FEV *	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	158.65R LE 11 JAN	157.70R LE 2 MAI	1983
1984	---	158.22R LE 8 AOU	157.09R LE 4 MAI	1984
1985	---	---	---	1985
1986	---	158.49R LE 4 DEC	157.00 LE 3 MAI	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

OUTAOUAIS (RIVIERE DES) - STATION NO. 02JB006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	288.15	288.13	288.20	---	1982
1983	288.24	288.18	288.12	287.70	288.20	288.21	288.20	288.20	288.23	288.28	288.18	288.21	288.18	1983
1984	288.13	288.26	287.89	287.71	288.17	288.07	288.24	288.17	288.20	288.28	288.23	288.24	288.15	1984
1985	288.35	288.37	288.07	287.88	288.30	288.31	288.23	288.35	288.28	288.31	288.30	288.21	288.23	1985
1986	288.15	288.35	287.78	287.87	288.35	288.30	288.04	288.20	288.40	288.27	288.18R	288.22R	288.17R	1986
1987	288.29	287.89	287.79	287.82	288.28	288.38	288.28	288.35	288.23	288.40	288.26	288.32	288.20	1987
MOYEN	288.23	288.23	287.95	287.75	288.25	288.28	288.20	288.25	288.27	288.28	288.22R	288.23R	288.18R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 58 00 LONG 78 34 38 — BASSIN VERSANT, 14 000 km² REGULARISE — DONNEES FOURNIES PAR - HYDRO-QUEBEC — R - REVISEE DEPUIS JAN 1, 1988

OUTAOUAIS (RIVIERE DES) - STATION NO. 02JB006

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	288.48 LE 26 MAI	287.19 LE 24 AVR	1983
1984	---	288.49 LE 19 JUL	287.39 LE 27 MAR	1984
1985	---	288.58 LE 24 AVR	287.10 LE 11 AVR	1985
1986	---	288.73 LE 28 AVR *	287.03 LE 24 MAR *	1986
1987	---	288.55 LE 4 JUN	287.28 LE 28 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTAOUAIS (RIVIERE DES) A CARILLON (AMONT) - STATION NO. 02LB026

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	---	---	---	---	40.74	41.11	41.05	41.02	---	---	1983
1984	41.07	---	41.06	41.01	---	41.10	---	41.07	41.11	41.12	41.12	41.07	---	1984
1985	41.10	41.12	41.05	41.09	41.13	41.12	41.14	41.13	41.10	41.09	41.10	41.09	41.10	1985
1986	41.00	41.06	41.07	40.95	40.97	41.08	41.08	41.09	41.08	41.11	41.10	41.04	41.05	1986
1987	41.04	40.85	40.80	40.07	40.31	40.86	41.11	41.15	41.17	41.07	40.72	---	---	1987
1988	---	40.94	40.82	40.37	41.11	41.12	41.13	41.14	41.13	41.12	41.13	41.11	---	1988
1989	41.16	41.10	41.04	40.85	40.08	41.09	41.13	41.14	41.14	41.15	41.09	41.09	40.99	1989
1970	41.08	41.11	41.05	40.52	40.17	40.89	40.95	41.09	41.12	41.14	41.12	41.10	40.93	1970
1971	41.04	41.02	41.03	40.33	40.37	41.11	41.14	41.14	41.12	41.12	41.12	41.14	40.87	1971
1972	41.12	41.05	41.05	40.43	40.26	41.14	41.14	41.14	41.14	41.14	41.13	41.11	40.89	1972
1973	41.11	41.09	40.58	41.03	41.13	41.15	41.20	41.15	41.11	41.11	41.08	41.14	41.07	1973
1974	41.04	41.05	41.07	40.98	40.97	41.05	41.00	41.11	41.18	41.31	41.25	41.17	41.10	1974
1975	41.24	41.25	41.12	41.01	41.00	41.14	41.14	41.23	41.21	41.27	41.25	41.25 R	41.15 R	1975
1976	41.08	41.27	40.82	40.44	40.80	41.19	41.22	41.26	41.32	41.29	41.21	41.29	41.10	1976
1977	41.24	41.15	40.78	40.63	41.04	41.17	41.19	41.20	41.08	---	41.15	---	---	1977
1978	41.03	41.01	41.01	40.82	40.82	41.18	41.15	41.13	41.13	41.14	41.08	41.04	41.03	1978
1979	41.01	40.98	---	40.41	40.44	41.01	41.12	---	41.14	41.12	41.09	40.99	---	1979
1980	40.80	41.02	41.05	40.78	40.84	---	41.10	41.15	41.13	41.08	40.78	41.15	---	1980
1981	41.10	40.85	40.59	40.35	40.88	41.20	41.17	41.17	41.11	41.15	41.14	41.13	41.00	1981
1982	41.05	41.07	41.05	40.78	40.94	41.15	41.14	41.14	41.14	41.14	41.13	41.11	41.07	1982
1983	41.074	41.080	41.040	41.072	40.442	40.812	41.148	41.150	41.147	41.118	41.068	41.058	41.017	1983
1984	41.085	41.087	41.038	40.542	40.928	41.145	41.151	41.152	41.141	41.136	41.104	41.091	41.049	1984
1985	41.091	41.141	40.985	40.786	40.845	41.158	41.164	41.151	41.159	41.147	41.093	41.101	41.049	1985
1986	41.030	40.883	41.040	40.852	41.113	41.154	41.157	41.159	41.159	41.151	41.130	41.101	41.067	1986
1987	41.098	41.071	41.016	40.798	41.141	41.148	41.160	---	41.154	41.150	41.130	41.085	---	1987
MOYEN	41.073	41.080	40.953	40.688	40.766	41.077	41.133	41.130	41.142	41.143	41.092	41.112R	41.048R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA
AJOUTER -40.536 m POUR OBTENIR LES COTES ARBITRAIRE

LOCATION - LAT 45 34 10 LONG 74 23 00 — REGULARISE — R - REVISEE DEPUIS JAN 1, 1988

OUTAOUAIS (RIVIERE DES) A CARILLON (AMONT) - STATION NO. 02LB026

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	41.25R LE 25 SEP A 1524 HNE	---	---	1963
1964	41.26R LE 16 JUN	41.16 LE 24 DEC	40.75 LE 19 AVR	1964
1965	41.26R LE 5 JUL A 1435 HNE	41.19 LE 11 FEV	40.85 LE 27 MAR	1965
1966	41.24R LE 6 FEV A 1550 HNE	41.17 LE 24 FEV	40.38 LE 28 AVR	1966
1967	41.34R LE 23 NOV	41.19 LE 18 ADU	39.64 LE 2 AVR	1967
1968	41.25R LE 25 JAN	41.17 LE 21 NOV	39.82 LE 31 MAR	1968
1969	41.40R LE 8 NOV A 1324 HNE	41.27 LE 9 JAN	39.61 LE 22 MAI	1969
1970	41.25R LE 11 JUL A 1720 HNE	41.17 LE 3 JUL	39.59 LE 10 JUN	1970
1971	41.30 LE 24 SEP	41.18 LE 4 ADU	39.48 LE 23 AVR *	1971
1972	41.35 LE 8 DEC A 1611 HNE	41.17 LE 12 JAN	38.51 LE 4 MAI	1972
1973	41.46 LE 3 JUL A 1724 HNE	41.23 LE 23 ADU	40.18 LE 20 MAR	1973
1974	41.53 LE 29 SEP A 2113 HNE	41.40 LE 17 OCT	40.41 LE 15 FEV	1974
1975	41.84 LE 20 FEV A 1632 HNE *	41.55 LE 23 FEV *	40.68 LE 10 MAI	1975
1976	41.63 LE 28 JAN	41.49 LE 1 JAN	39.92 LE 27 AVR	1976
1977	41.61 LE 16 JAN A 1555 HNE	41.50 LE 6 MAR	39.85 LE 24 MAR	1977
1978	41.49 LE 6 SEP A 2057 HNE	41.22 LE 13 JUN	39.73 LE 2 MAI	1978
1979	41.48 LE 8 OCT	41.22 LE 13 ADU	39.67 LE 27 MAR	1979
1980	41.45 LE 8 ADU A 1801 HNE	41.25 LE 26 OCT	40.15 LE 18 AVR	1980
1981	41.39 LE 31 JAN A 1804 HNE	41.26 LE 23 JUN	39.85 LE 8 MAR	1981
1982	41.53 LE 5 AVR A 0435 HNE	41.21 LE 24 NOV	40.10 LE 4 MAI	1982
1983	---	41.338A LE 21 AVR	39.905 LE 24 MAI	1983
1984	41.31R LE 24 JAN A 0631 HNE	41.199 LE 25 JAN	40.264 LE 17 AVR	1984
1985	41.25R LE 5 JAN A 0457 HNE	41.194 LE 24 JUN	40.091 LE 8 MAI	1985
1986	41.26 LE 1 MAI A 1841 HNE	41.207 LE 25 ADU	40.189 LE 10 AVR	1986
1987	41.30 LE 9 JUN A 0540 HNE	41.228 LE 5 OCT	40.141 LE 4 AVR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA
AJOUTER -40.638 m POUR OBTENIR LES COTES ARBITRAIRE

A - JAUGE MANUELLE
(VOIR INDEX DE REFRENCE)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

OUTAOUAIS (RIVIERE DES) A CARILLON (AVAL) - STATION NO. 02LB025

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ADU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	---	---	---	---	---	---	---	---	---	---	21.71	---	---	1963
1964	21.86	21.82	22.08	22.38	22.15	21.83	21.76	21.69	21.61	21.63	21.63	---	---	1964
1965	---	---	---	---	---	21.81	21.69	21.77	22.06	22.89	22.42	22.37	---	1965
1966	22.42	22.26	22.64	22.68	22.42	22.21	21.79	21.81	21.78	21.79	22.05	21.78	22.23	1966
1967	22.38	22.48	22.14	23.17	22.82	22.58	22.19	21.83	21.70	22.17	22.76	22.35	22.40	1967
1968	22.44	22.36	22.48	22.88	21.99	21.69	22.02	21.85	21.79	21.68	21.72	21.87	22.08	1968
1969	22.11	22.08	22.10	22.87	22.83	22.30	22.01	22.00	21.76	21.73	22.18	22.15	22.18	1969
1970	22.11	22.04	22.05	22.65	22.84	22.40	22.33	22.12	21.83	21.88	21.88	22.03	22.18	1970
1971	22.10	22.17	22.27	23.07	22.91	21.98	21.68	21.68	21.65	21.86	21.84	21.75	22.03	1971
1972	21.88	21.86	22.01	22.88	23.43	22.48	22.50	22.31	22.17	22.19	22.47	22.35	22.39	1972
1973	22.40	---	23.23	23.19	23.04	22.82	22.36	22.10	21.96	22.05	22.00	22.18	---	1973
1974	22.26	22.22	22.57	23.16	24.08	23.25	22.36	21.97	21.79	21.79	22.14	22.25	22.49	1974
1975	22.21	22.19	---	---	22.64	22.24	21.75	---	---	21.82	21.72	---	---	1975
1976	---	---	---	23.65	23.12	22.25	---	---	21.81	21.79	21.72	21.98	---	1976
1977	22.17	22.02	---	22.89	22.26	21.86	21.71	21.63	21.66	21.82	21.89	22.43	---	1977
1978	22.82	22.53	22.23	23.04	22.72	21.95	21.71	21.65	21.65	21.73	21.71	21.87	22.10	1978
1979	22.10	22.18	22.67	23.18	23.52	22.31	21.91	---	---	---	22.43	22.68	---	1979
1980	22.61	22.30	22.41	22.95	22.55	21.86	21.95	22.00	21.91	22.31	22.33	22.30	22.28	1980
1981	22.27	22.78	22.87	23.30	22.88	---	21.98	21.83	22.12	22.11	22.23	21.98	---	1981
1982	22.08	22.15	22.21	22.80	22.34	---	---	---	21.65	21.61	21.93	22.38	---	1982
1983	22.540	22.410	22.593	22.893	23.671	22.881	21.788	21.684	21.649	21.821	21.931	22.249	22.278	1983
1984	22.152	22.322	22.378	23.343	22.808	22.439	22.227	22.022	21.916	21.778	22.133	22.312	22.300	1984
1985	22.551	22.468	22.783	22.980	23.010	21.842	21.907	22.082	21.792	21.730	21.847	22.087	22.262	1985
1986	22.136	22.247	22.182	22.906	22.607	22.272	21.961	22.001	22.014	22.153	22.145	22.189	22.233	1986
1987	22.174	22.160	22.334	22.822	21.787	21.811	21.889	---	21.486	21.486	21.725	22.115	---	1987
MOYEN	22.249	22.250	22.411	22.995	22.789	22.222	21.982	21.897	21.782	21.886	22.015	22.210	22.246	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA
AJOUTER -21.427 m POUR OBTENIR LES COTES ARBITRAIRE

LOCATION - LAT 45 34 05
LONG 74 22 47

REGULARISE

R - REVISEE DEPUIS JAN 1, 1988

OUTAOUAIS (RIVIERE DES) A CARILLON (AVAL) - STATION NO. 02LB025

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1953	22.33 LE 12 DEC A 1140 HNE	---	---	1953
1954	22.93 LE 25 AVR	---	---	1954
1955	22.95 LE 24 OCT A 1920 HNE	---	---	1955
1956	23.46 LE 28 AVR	23.35 LE 28 AVR	21.45 LE 1 AOU	1956
1957	23.67 LE 3 AVR A 2159 HNE	23.57 LE 4 AVR	21.55 LE 16 SEP	1957
1958	23.64 LE 31 MAR	23.55 LE 31 MAR	21.59 LE 14 OCT	1958
1959	23.46 LE 21 MAI	23.35 LE 21 MAI	21.62 LE 15 SEP	1959
1970	23.40 LE 16 AVR A 1031 HNE	23.29 LE 16 AVR	21.70 LE 7 SEP	1970
1971	24.37 LE 7 MAI A 1550 HNE	23.86 LE 21 AVR	21.48 LE 7 SEP	1971
1972	24.10 LE 9 MAI	24.05 LE 8 MAI	21.78 LE 2 JAN	1972
1973	24.40 LE 19 MAR A 1529 HNE	24.29 LE 19 MAR	21.85 LE 29 SEP	1973
1974	24.73 LE 22 MAI A 1730 HNE	24.68 LE 22 MAI	21.67 LE 25 SEP	1974
1975	23.79 LE 21 AVR A 1905 HNE	23.71 LE 21 AVR	---	1975
1976	25.07 LE 4 AVR *	24.97 LE 4 AVR *	21.55 LE 25 NOV	1976
1977	24.07 LE 17 MAR	---	21.52 LE 17 SEP	1977
1978	23.80 LE 17 AVR A 2301 HNE	23.73 LE 18 AVR	21.48 LE 10 SEP	1978
1979	24.18 LE 3 MAI	24.15 LE 3 MAI	21.68 LE 28 JUL	1979
1980	23.71 LE 17 AVR	23.68 LE 17 AVR	21.88 LE 15 JUN	1980
1981	24.53 LE 28 FEV A 2020 HNE	24.50 LE 28 FEV	21.67 LE 27 JUL	1981
1982	23.40 LE 23 AVR A 1810 HNE	23.35 LE 23 AVR	21.47 LE 11 SEP	1982
1983	24.54 LE 14 MAI A 0631 HNE	24.328A LE 5 MAI	21.447 LE 3 NOV *	1983
1984	23.79 LE 19 AVR A 0735 HNE	23.778 LE 19 AVR	21.716 LE 5 OCT	1984
1985	23.94R LE 1 MAI A 0421 HNE	23.908 LE 1 MAI	21.819 LE 30 OCT	1985
1986	23.61 LE 9 AVR A 0735 HNE	23.340 LE 25 MAI	21.814 LE 7 SEP	1986
1987	23.68 LE 27 MAR A 2349 HNE	---	---	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA
AJOUTER -21.427 m POUR OBTENIR LES COTES ARBITRAIRE

A - JAUGE MANUELLE
(VOIR INDEX DE REFRENCE)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

OUTAOUAIS (RIVIERE DES) A GRENVILLE - STATION NO. 02LB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1933	39.81	39.86	39.85	41.51	41.58	40.35	39.62	39.45	39.15	39.00	39.11	39.13	39.83	1933
1934	39.07	39.08	39.14	41.09	41.84	40.86	39.89	39.27	39.24	39.45	39.40	39.85	39.81	1934
1935	39.49	39.36	39.76	40.48	40.39	39.89	39.85	39.53	39.24	39.31	39.53	39.42	39.71	1935
1936	39.36	39.35	40.16	40.84	42.21	41.00	39.89	39.28	39.28	39.71	40.04	39.86	40.05	1936
1937	40.05	39.92	40.03	40.76	41.33	40.12	39.48	39.36	39.27	39.53	40.35	39.96	40.02	1937
1938	39.89	39.82	40.25	41.71	41.40	40.24	39.48	39.36	39.41	39.54	39.45	39.41	39.95	1938
1939	39.36	39.39	39.42	40.31	41.80	40.71	40.08	39.89	39.43	39.60	39.86	39.46	39.90	1939
1940	39.30	39.24	39.27	40.31	40.87	41.08	40.20	39.48	39.51	39.35	39.52	39.57	39.81	1940
1941	39.57	39.52	39.53	40.89	40.48	39.85	39.86	39.46	39.51	39.87	40.50	40.13	39.90	1941
1942	39.84	39.80	40.08	41.01	40.88	40.43	39.88	39.36	39.28	39.27	39.48	39.35	39.86	1942
1943	39.43	39.50	39.75	40.82	42.08	41.15	40.02	39.53	39.82	39.48	39.88	39.53	40.03	1943
1944	39.47	39.35	39.48	39.83	40.45	39.82	39.35	39.24	39.24	39.33	39.36	39.37	39.51	1944
1945	39.34	39.28	40.01	40.81	40.71	40.86	39.58	39.24	39.32	39.67	39.67	39.48	39.80	1945
1946	39.63	39.63	40.22	40.43	40.17	40.20	39.46	39.30	39.28	39.42	39.64	39.83	39.77	1946
1947	39.75	39.78	39.78	41.41	42.87	42.48	40.67	39.89	39.47	39.46	39.44	39.43	40.33	1947
1948	39.36	39.33	39.79	40.70	40.44	39.82	39.47	39.34	39.24	39.17	39.18	39.32	39.61	1948
1949	39.42	39.48	39.70	41.26	40.78	39.98	39.90	39.31	39.31	39.33	39.33	39.61	39.77	1949
1950	39.71	39.68	39.84	40.84	40.83	40.15	39.86	39.41	39.41	39.37	39.67	39.82	39.80	1950
1951	39.78	39.75	40.17	42.32	40.83	39.83	39.83	39.48	39.52	39.85	40.70	40.38	40.23	1951
1952	40.13	40.04	40.02	41.18	41.07	40.45	39.81	39.64	39.58	39.60	39.52	39.87	40.08	1952
1953	39.88	39.84	40.42	41.31	40.29	39.82	39.41	39.28	39.18	39.28	39.23	39.28	39.75	1953
1954	39.34	39.40	39.91	41.03	40.45	40.40	39.87	39.53	39.61	40.45	40.45	40.22	40.08	1954
1955	40.08	39.88	39.98	41.51	40.28	39.61	39.33	39.11	39.12	39.32	40.05	39.80	39.84	1955
1956	39.83	39.85	39.61	40.85	40.72	40.31	39.86	39.78	40.08	40.14	39.80	39.78	39.97	1956
1957	39.77	39.77	39.92	40.04	40.02	39.73	40.02	39.88	39.87	39.89	40.27	40.32	39.97	1957
1958	40.15	40.04	40.16	40.87	39.85	39.72	39.71	39.48	39.61	39.85	40.02	39.86	39.92	1958
1959	39.75	39.88	39.58	40.88	40.44	39.71	39.36	39.28	39.48	39.80	40.14	40.18	39.82	1959
1960	39.87	39.86	39.90	41.42	41.81	40.15	40.38	40.01	39.84	39.82	39.53	39.48	40.16	1960
1961	39.44	39.32	39.38	39.80	40.02	39.65	39.80	39.48	39.49	39.52	39.40	39.58	39.57	1961
1962	39.62	39.67	---	---	40.37	39.86	39.13	39.12	39.23	39.39	39.74	40.03	---	1962
1963	40.08	40.03	40.06	40.48	40.18	40.28	40.53	40.73	41.09	41.08	41.08	41.18	40.57	1963
1964	41.19	41.18	41.21	41.28	41.27	41.20	41.07	41.08	41.12	41.14	41.14	41.13	41.17	1964
1965	41.18	41.22	41.18	41.26	41.38	41.21	41.17	41.18	41.21	41.42	41.32	41.32	41.25	1965
1966	41.27	41.25	41.38	41.33	41.24	41.25	41.13	41.17	41.13	41.18	41.22	41.80	41.28	1966
1967	41.48	41.26	41.09	41.13	41.18	41.18	41.28	41.20	41.21	41.25	41.21	41.31	41.23	1967
1968	41.26	41.22	41.15	41.05	41.22	41.20	41.22	41.17	41.18	41.18	41.18	41.18	41.18	1968
1969	41.27	41.24	41.18	41.17	40.80	41.28	41.21	41.21	41.18	41.19	41.25	41.29	41.20	1969
1970	41.24	41.24	41.21	41.08	40.96	41.11	41.1u	41.20	41.17	41.19	41.20	41.21	41.18	1970
1971	41.17	41.18	41.20	41.17	41.18	41.19	41.16	41.15	41.13	41.13	41.13	41.18	41.16	1971
1972	41.19	41.15	41.18	41.13	41.43	41.36	41.34	41.28	41.25	41.25	41.34	41.35	41.27	1972
1973	41.31	41.32	41.36	41.56	41.56	41.39	41.32	41.21	41.15	41.20	41.15	41.29	41.32	1973
1974	41.22	41.21	41.35	41.53	42.12	41.64	41.17	41.15	41.20	41.34	41.36	41.41	41.38	1974
1975	41.43	41.42	41.34	41.38	41.36	41.28	41.17	41.23	41.22	41.28	41.28	41.36 R	41.32 R	1975
1976	41.18	41.41	---	41.87	41.41	41.30	41.28	41.29	41.34	41.32	41.25	---	---	1976
1977	---	41.31	---	41.25	41.27	41.20	41.22	41.21	41.11	41.14	---	---	---	1977
1978	41.34	41.31	41.18	41.28	41.24	41.24	41.18	41.15	41.14	41.18	41.11	41.14	41.21	1978
1979	41.15	41.12	---	41.23	---	---	---	41.20	41.17	41.23	41.30	41.35	---	1979
1980	41.32	41.24	41.37	41.33	41.20	---	---	---	41.15	41.21	41.00	---	---	1980
1981	41.27	41.42	41.15	41.72	41.33	41.41	41.24	---	41.21	41.24	41.25	41.22	---	1981
1982	41.18	41.20	41.23	41.26	41.20	41.20	41.17	41.15	41.15	---	41.20	41.38	---	1982
1983	41.445	41.353	41.341	41.323	41.469	41.285	41.178	41.167	41.149	41.155	41.145	41.242	41.288	1983
1984	41.210	41.284	41.283	41.382	41.288	41.352	41.285	41.198	41.182	41.173	41.221	41.312	41.258	1984
1985	41.383	41.381	41.385	41.352	41.324	41.211	41.203	41.222	41.170	41.185	41.150	41.198	41.281	1985
1986	41.178	41.147	41.180	41.307	41.372	41.283	41.198	41.158	41.217	41.238	41.224	41.227	41.229	1986
1987	41.221	41.202	41.238	41.267	41.168	41.178	41.167	41.158	41.149	41.185	41.172	41.211	41.189	1987
MOYEN	40.341	40.331	40.405	41.052	41.057	40.685	40.389	40.195	40.214	40.285	40.384	40.382R	40.411R	MOYEN

PLAN DE REFERENCE - MINISTERE DES TRAVAUX PUBLICS
AJOUTER -40.536 m POUR OBTENIR LES COTES ARBITRAIRE

LOCATION - LAT 45 37 52
LONG 74 38 32

REGULARISE

R - REVISEE DEPUIS JAN 1, 1986

OUTAOUAIS (RIVIERE DES) A GRENVILLE - STATION NO. 02LB001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1933	---	42.28 LE 23 AVR	38.88 LE 9 OCT	1933
1934	42.50R LE 11 MAI	42.42 LE 11 MAI	38.85 LE 5 MAR *	1934
1935	40.98R LE 1 MAI A 1305 HNE	40.83 LE 3 MAI	39.18 LE 3 SEP	1935
1936	42.98R LE 17 MAI A 1840 HNE	42.82 LE 18 MAI	39.08 LE 7 SEP	1936
1937	41.84R LE 8 MAI A 1745 HNE	41.82 LE 8 MAI	39.08 LE 13 SEP	1937
1938	42.38R LE 24 AVR A 2327 HNE	42.35 LE 24 AVR	39.17 LE 26 DEC	1938
1939	42.00R LE 13 MAI A 1457 HNE	41.98 LE 12 MAI	39.19 LE 6 FEV	1939
1940	41.85R LE 4 JUN A 1725 HNE	41.83 LE 4 JUN	39.09 LE 4 MAR	1940
1941	42.14R LE 26 AVR A 2350 HNE	42.12 LE 27 AVR	39.22 LE 11 AOU	1941
1942	41.88R LE 29 AVR A 1832 HNE	41.84 LE 29 AVR	39.01 LE 7 SEP	1942
1943	43.02R LE 13 MAI A 1449 HNE	42.87 LE 13 MAI	39.23 LE 2 JAN	1943
1944	41.97R LE 13 MAI A 1546 HNE	41.02 LE 12 MAI	38.99 LE 4 SEP	1944
1945	41.94R LE 5 AVR A 1113 HNE	41.87 LE 5 AVR	39.10 LE 17 SEP	1945
1946	40.98R LE 4 AVR A 2143 HNE	40.91 LE 5 AVR	39.10 LE 2 SEP	1946
1947	43.18R LE 27 MAI A 1262 HNE	43.13 LE 27 MAI	38.20 LE 1 SEP	1947
1948	41.08R LE 29 AVR	41.06 LE 28 AVR	38.87 LE 8 NOV	1948
1949	41.70R LE 28 AVR A 1507 HNE	41.67 LE 30 AVR	39.05 LE 5 SEP	1949
1950	41.23R LE 8 AVR	41.19 LE 7 AVR	39.15 LE 9 OCT	1950
1951	43.22R LE 17 AVR A 1808 HNE *	43.18 LE 17 AVR *	38.26 LE 4 SEP	1951
1952	41.83R LE 26 MAI A 1440 HNE	41.80 LE 26 MAI	39.31 LE 17 NOV	1952
1953	41.89R LE 30 MAR	41.86 LE 30 MAR	38.99 LE 7 SEP	1953
1954	41.80R LE 18 AVR A 1340 HNE	41.73 LE 18 AVR	39.17 LE 2 JAN	1954
1955	42.23R LE 20 AVR A 2008 HNE	42.20 LE 21 AVR	38.88 LE 5 SEP	1955
1956	41.26R LE 17 AVR A 1530 HNE	41.23 LE 16 AVR	39.32 LE 2 AVR	1956
1957	41.35R LE 9 JUL A 1520 HNE	41.31 LE 9 JUL	39.13 LE 2 SEP	1957
1958	41.02R LE 2 AVR	40.98 LE 2 AVR	39.24 LE 18 AOU	1958
1959	41.27R LE 10 AVR A 2200 HNE	41.22 LE 10 AVR	39.08 LE 3 AOU	1959
1960	42.52R LE 19 MAI A 1645 HNE	42.48 LE 19 MAI	39.26 LE 26 DEC	1960
1961	40.25R LE 29 AVR A 2340 HNE	40.23 LE 29 AVR	39.11 LE 20 MAR	1961
1962	40.86R LE 9 MAI A 1735 HNE	40.82 LE 9 MAI	38.94 LE 30 JUL	1962
1963	41.32R LE 23 NOV A 1338 HNE	41.24 LE 30 NOV	39.83 LE 24 MAI	1963
1964	41.57R LE 24 AVR	41.55 LE 24 AVR	40.88 LE 20 JUL	1964
1965	41.55R LE 1 OCT A 1745 HNE	41.53 LE 23 OCT	40.94 LE 27 MAR	1965
1966	42.05R LE 27 DEC	41.99 LE 27 DEC	41.01 LE 16 SEP	1966
1967	41.88R LE 1 JAN	41.77 LE 1 JAN	40.88 LE 16 MAI	1967
1968	41.48R LE 21 MAR	41.41 LE 6 JAN	40.77 LE 25 MAR	1968
1969	41.84R LE 26 DEC	41.43 LE 25 DEC	40.85 LE 10 MAI	1969
1970	41.41R LE 19 JUN A 1755 HNE	41.36 LE 3 JUN	40.81 LE 13 JUN	1970
1971	41.48 LE 18 MAI A 1615 HNE	41.42 LE 18 MAI	40.84 LE 8 SEP	1971
1972	41.69 LE 23 MAI	41.67 LE 22 MAI	40.85 LE 21 FEV	1972
1973	41.68 LE 5 AVR A 1302 HNE	41.64 LE 5 AVR	40.88 LE 15 NOV	1973
1974	42.68 LE 21 MAI A 1455 HNE	42.67 LE 21 MAI	40.85 LE 15 FEV	1974
1975	41.80 LE 20 AVR	41.84 LE 20 AVR	40.85 LE 16 JUL	1975
1976	42.75 LE 4 AVR A 1320 HNE	42.70 LE 4 AVR	40.87 LE 12 JAN	1976
1977	41.79 LE 14 MAR A 1818 HNE	41.71 LE 14 MAR	40.80 LE 24 MAR	1977
1978	41.88 LE 28 JAN A 2030 HNE	41.83 LE 28 JAN	40.84 LE 22 MAR	1978
1979	42.13 LE 5 MAI A 1515 HNE	42.07 LE 2 MAI	40.92 LE 30 MAR	1979
1980	41.82 LE 23 MAR A 1820 HNE	41.76 LE 23 MAR	40.59 LE 17 NOV	1980
1981	41.92 LE 26 FEV A 1110 HNE	41.88 LE 26 FEV	40.87 LE 26 SEP	1981
1982	41.87 LE 28 DEC A 1710 HNE	41.84 LE 28 DEC	41.00 LE 4 MAI	1982
1983	42.04 LE 13 MAI A 0050 HNE	42.030 LE 12 MAI	40.839 LE 2 NOV	1983
1984	41.59 LE 29 DEC A 0508 HNE	41.589 LE 28 DEC	40.949 LE 7 MAI	1984
1985	41.89R LE 29 AVR A 1518 HNE	41.870 LE 30 AVR	40.951 LE 12 NOV	1985
1986	41.86 LE 24 MAI A 1350 HNE	41.851 LE 24 MAI	40.901 LE 8 MAR	1986
1987	41.87 LE 27 MAR A 0850 HNE	41.847 LE 27 MAR	41.002 LE 3 MAR	1987

PLAN DE REFRENCE - MINISTERE DES TRAVAUX PUBLICS
AJOUTER -40.538 m POUR OBTENIR LES COTES ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

OUTAOUAIS (RIVIERE DES) A HULL - STATION NO. 02LA015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	41.22	41.23	41.28	41.30	---	---	1984
1985	---	41.59	41.67	41.68	42.04	41.46	41.31	41.40	41.61	42.23	41.97	42.02	---	1985
1986	42.10	42.06	42.30	42.16	---	---	---	41.46	41.35	41.43	41.67	42.74	---	1986
1987	42.46	42.41	41.84	42.49	42.45	42.14	41.77	41.46	41.43	41.69	42.19	42.04	42.04	1987
1988	42.20	42.12	42.20	42.07	41.59	41.50	41.52	41.39	---	---	41.37	41.51	---	1988
1989	41.72	41.77	41.74	41.98	42.11	41.84	---	---	41.36	41.40	41.79	41.88	---	1989
1970	41.78	41.77	41.81	---	42.06	41.92	41.84	41.62	41.42	41.48	41.55	41.70	---	1970
1971	41.71	41.78	41.95	42.20	42.30	41.67	41.33	41.31	41.29	---	---	---	---	1971
1972	41.57	41.57	41.68	42.10	42.88	41.96	41.85	41.71	41.61	---	41.91	42.02	---	1972
1973	42.04	42.21	42.82	42.77	42.85	42.13	41.83	41.53	41.48	41.58	41.54	---	---	1973
1974	41.83	41.82	42.27	---	43.80	42.92	41.78	41.41	---	41.56	---	41.96	---	1974
1975	42.08	42.04	42.07	42.10	42.11	41.76	41.38	41.38	41.34	41.43	41.46	41.74	41.74	1975
1976	41.88	---	---	---	---	41.74	41.58	41.51	41.52	41.50	41.42	41.77	---	1976
1977	41.75	41.72	42.28	---	---	---	41.41	41.38	---	41.38	---	---	---	1977
1978	42.13	42.19	41.85	---	42.08	41.54	41.38	41.31	41.27	41.51	---	---	---	1978
1979	---	41.88	42.12	42.51	43.21	41.82	41.50	---	41.38	41.85	41.93	42.35	---	1979
1980	42.27	42.05	42.21	42.40	42.07	41.48	41.45	41.44	41.38	41.69	41.58	---	---	1980
1981	---	42.53	42.26	42.74	42.15	42.04	41.50	41.37	41.54	41.60	41.67	41.58	---	1981
1982	41.805	41.666	41.818	42.148	41.785	41.480	41.336	41.288	41.277	41.336	41.502	41.983	41.589	1982
1983	42.337	42.248	42.140	42.056	42.861	42.218	41.395	41.335	41.273	41.327	41.436	41.744	41.671	1983
1984	41.777	42.017	42.048	42.652	42.040	42.007	41.890	41.443	41.384	41.374	41.628	41.880	41.827	1984
1985	42.285	42.278	42.410	42.335	42.543	41.809	41.448	41.571	41.352	41.342	41.407	41.803	41.837	1985
1986	41.894	41.771	41.699	42.201	42.054	41.737	41.418	41.407	41.412	41.588	41.576	41.714	41.688	1986
1987	41.755	41.723	41.754	42.111	41.353	41.346	41.288	41.259	41.243	41.284	41.359	41.588	41.501	1987
MOYEN	41.939	41.956	42.048	42.261	42.318	41.813	41.519	41.416	41.386	41.500	41.613	41.880	41.763	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 45 25 53
LONG 75 42 25 REGULARISE

REMARQUES - PRIOR TO APR 1982, WATER LEVELS CONTRIBUTED BY DFO, FISHERIES AND MARINE SERVICE

OUTAOUAIS (RIVIERE DES) A HULL - STATION NO. 02LA015

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	41.55 LE 18 NOV A 2045 HNE	---	---	1984
1985	42.44 LE 23 OCT A 1335 HNE	---	---	1985
1986	43.34 LE 28 DEC A 2320 HNE	---	---	1986
1987	43.18 LE 10 MAI	43.16 LE 10 MAI	41.30 LE 3 SEP	1987
1988	42.79 LE 30 MAR	---	---	1988
1989	42.57 LE 20 MAI A 1815 HNE	---	---	1989
1970	42.37 LE 7 JUN	---	---	1970
1971	43.12 LE 8 MAI	---	---	1971
1972	43.51 LE 7 MAI A 2000 HNE	---	---	1972
1973	43.97 LE 18 MAR A 2100 HNE	---	---	1973
1974	44.82 LE 21 MAI A 1235 HNE *	---	---	1974
1975	43.03 LE 2 MAI A 2115 HNE	43.02 LE 2 MAI	41.00 LE 16 JUL	1975
1976	44.77 LE 2 AVR A 1300 HNE	---	---	1976
1977	43.44 LE 15 MAR	---	---	1977
1978	42.62 LE 15 AVR	---	---	1978
1979	44.15 LE 4 MAI A 1845 HNE	---	---	1979
1980	43.43 LE 22 MAR A 2145 HNE	---	---	1980
1981	44.27 LE 25 FEV A 1115 HNE	44.25 LE 25 FEV *	41.03 LE 25 SEP	1981
1982	42.63 LE 1 AVR A 2345 HNE	42.520 LE 3 AVR	41.185 LE 4 SEP	1982
1983	44.01 LE 12 MAI A 1404 HNE	43.997 LE 12 MAI	40.905 LE 2 NOV *	1983
1984	43.14 LE 17 AVR A 2357 HNE	43.122 LE 16 AVR	41.247 LE 2 NOV	1984
1985	43.56 LE 29 AVR A 1028 HNE	43.526 LE 30 AVR	41.217 LE 13 NOV	1985
1986	42.75 LE 25 MAI A 1315 HNE	42.736 LE 25 MAI	41.278 LE 7 SEP	1986
1987	42.65 LE 7 AVR A 1340 HNE	42.571 LE 7 AVR	41.180 LE 26 SEP	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTAOUAIS (RIVIERE DES) A LA MARINA DE SAINTE-ANNE-DE-BELLEVUE - STATION NO. 020A033

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1978	1.306	1.528	1.220	1.656	1.519	1.128	0.888	0.770	0.877	0.850	0.490	0.393	1.015	1978
1979	0.898	1.183	1.286	1.557	1.705	1.152	0.859	0.774	0.894	1.062	1.145	1.282	1.148	1979
1980	1.078	0.954	0.940	1.357	1.264	0.938	0.929	0.899	1.055	1.074	1.044	0.997	1.052	1980
1981	1.08	1.18	1.15	1.34	0.93	0.88	0.74	0.88	1.11	1.18	1.18	1.05	1.06	1981
1982	0.89	1.04	0.89	1.33	1.14	0.94	0.90	0.74	0.89	0.83	0.78	1.01	0.92	1982
1983	0.88	1.00	1.07	1.26	1.68	1.35	0.85	0.75	0.72	0.88	0.82	1.05	1.02	1983
1984	0.98	1.09	1.20	1.60	1.42	1.33	1.18	1.09	0.98	0.89	0.77	0.88	1.10	1984
1985	1.23	1.18	1.33	1.48	1.47	1.06	1.01	1.02	0.94	0.88	0.82	0.92	1.12	1985
1986	0.98	1.28	1.24	1.60	1.50	1.35	1.26	1.27	1.22	1.30	1.33	1.28	1.30	1986
MOYEN	1.053	1.155	1.148	1.484	1.403	1.128	0.957	0.919	0.921	0.993	0.943	0.980	1.081	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 20.622 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1975)

LOCATION - LAT 45 24 08
LONG 73 56 52 REGULARISE

OUTAOUAIS (RIVIERE DES) A LA MARINA DE SAINTE-ANNE-DE-BELLEVUE - STATION NO. 020A033

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1978	---	2.087 LE 15 AVR	0.081 LE 19 DEC *	1978
1979	---	1.958 LE 2 MAI	0.535 LE 3 JAN	1979
1980	---	1.872 LE 17 AVR	0.625 LE 11 MAR	1980
1981	---	2.18 LE 25 FEV *	0.59 LE 2 AOU	1981
1982	---	1.84 LE 29 AVR	0.48 LE 17 OCT	1982
1983	---	2.02 LE 12 MAI	0.55 LE 4 OCT	1983
1984	---	1.93 LE 7 AVR	0.57 LE 14 OCT	1984
1985	---	1.79 LE 6 MAI	0.40 LE 25 DEC	1985
1986	---	1.77 LE 25 MAI	0.62 LE 13 JAN	1986

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 20.522 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1978)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTAOUAIS (RIVIERE DES) A GUYON - STATION NO. 02KF004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1915	---	---	---	9.34	9.82	9.88	9.70	9.53	9.35	9.38	9.37	9.41	---	1915
1916	9.40	9.47	9.41	10.56	11.27	10.80	9.81	9.42	9.25	9.23	9.50	---	---	1916
1917	---	---	9.45	10.18	10.78	10.80	10.18	9.85	9.55	9.48	9.48	9.47	---	1917
1918	9.34	9.28	9.30	10.08	10.36	10.18	---	---	---	---	---	---	---	1918
1919	---	---	---	10.44	11.29	10.84	9.72	9.40	9.55	9.82	10.08	---	---	1919
1920	9.67	9.48	9.56	10.18	10.38	9.86	9.86	9.48	9.34	9.20	9.28	9.31	9.81	1920
1921	9.30	9.18	9.86	10.42	10.72	9.81	9.50	---	---	---	---	---	---	1921
1929	---	---	---	---	---	---	---	---	---	---	9.634	9.437	---	1929
1930	9.419	9.354	9.344	9.728	10.388	10.387	10.473	9.699	9.445	9.452	9.378	9.384	9.705	1930
1931	9.313	9.222	9.228	9.753	10.032	9.815	9.476	9.520	9.280	9.280	9.380	9.718	9.500	1931
1932	9.706	9.727	9.677	10.267	10.381	9.845	9.585	9.640	10.101	10.347	10.674	9.928	9.987	1932
1933	9.678	9.481	9.388	10.514	10.832	10.088	9.518	9.380	9.089	8.900	8.979	8.998	9.586	1933
1934	8.870	8.848	8.875	9.821	10.918	9.989	9.502	9.229	9.327	9.457	9.340	9.490	9.507	1934
1935	9.335	9.336	9.572	9.922	9.912	9.575	9.848	9.333	9.177	9.150	9.278	9.175	9.452	1935
1936	9.191	9.205	9.501	10.110	11.067	10.280	9.426	9.211	9.108	9.238	9.418	9.180	9.578	1936
1937	9.472	9.620	9.848	9.817	10.548	9.718	9.377	9.314	9.190	9.348	9.674	9.813	9.628	1937
1938	9.282	9.384	9.728	10.793	10.568	9.762	9.370	9.378	9.370	9.362	9.290	9.235	9.831	1938
1939	9.200	9.207	9.247	9.833	10.741	10.252	9.584	9.252	9.083	9.148	9.240	9.141	9.481	1939
1940	9.056	9.032	9.070	9.485	9.894	10.387	9.700	9.287	9.358	9.208	9.378	9.417	9.446	1940
1941	9.342	9.370	9.389	10.220	10.033	9.408	9.464	9.318	9.318	9.630	9.929	9.618	9.587	1941
1942	9.434	9.391	9.528	10.230	10.081	9.837	9.224	9.154	9.088	9.085	9.136	9.221	9.447	1942
1943	9.288	9.344	9.492	9.785	10.848	10.228	9.503	9.244	9.383	9.284	9.328	9.281	9.581	1943
1944	9.215	9.141	9.228	9.288	9.878	9.388	9.149	9.089	9.091	9.139	9.158	9.234	9.267	1944
1945	9.200	9.145	9.427	10.021	9.885	10.144	9.244	9.092	9.083	9.132	9.201	9.132	9.397	1945
1946	9.082	9.330	9.858	9.682	9.580	9.733	9.188	9.085	9.078	9.128	9.210	9.284	9.349	1946
1947	9.386	9.381	9.344	10.284	11.208	11.341	9.940	9.308	9.084	9.138	9.037	9.123	9.714	1947
1948	9.072	9.127	9.245	9.984	9.885	9.585	9.233	9.084	9.000	8.982	9.034	9.134	9.278	1948
1949	9.228	9.283	9.348	10.300	10.187	9.838	9.582	9.088	9.085	9.123	9.149	9.207	9.430	1949
1950	9.288	9.341	9.282	9.742	10.106	9.580	9.328	9.170	9.183	9.128	9.321	9.421	9.407	1950
1951	9.384	9.420	9.620	11.088	10.281	9.442	9.495	9.173	9.208	9.803	10.098	9.804	9.714	1951
1952	9.632	9.671	9.820	10.252	10.188	9.748	9.242	9.211	9.222	9.202	9.178	9.388	9.834	1952
1953	9.438	9.526	9.738	10.480	9.718	9.287	9.143	9.044	8.974	9.028	9.030	9.070	9.371	1953
1954	9.189	9.300	9.535	10.055	9.840	9.933	9.518	9.255	9.280	9.908	9.830	9.708	9.808	1954
1955	9.618	9.553	9.520	10.449	9.886	9.308	9.107	8.995	8.971	9.178	9.898	9.528	9.488	1955
1956	9.378	9.304	9.284	9.848	10.152	9.887	9.500	9.387	9.804	9.708	9.440	9.423	9.578	1956
1957	9.390	9.418	9.508	9.561	9.832	9.423	10.138	9.254	9.338	9.482	9.731	9.780	9.584	1957
1958	9.648	9.690	9.702	9.958	9.388	9.324	9.327	9.120	9.180	9.283	9.521	9.485	9.458	1958
1959	9.357	9.318	9.301	9.882	10.032	9.448	9.151	9.078	9.222	9.317	9.747	9.718	9.483	1959
1960	9.580	9.578	9.513	10.447	11.288	9.772	9.888	9.844	9.208	9.208	9.270	9.284	9.722	1960
1961	9.248	9.202	9.241	9.580	9.772	9.477	9.350	9.248	9.282	9.388	9.280	---	---	1961
1962	---	---	9.378	9.887	10.057	9.375	9.038	8.936	8.847	8.888	9.053	9.000	---	1962
1963	9.004	9.088	9.142	9.822	9.808	9.383	9.088	8.941	9.081	9.042	9.118	9.384	9.222	1963
1964	9.409	9.398	9.494	9.752	9.788	9.884	9.278	9.028	8.938	9.037	9.083	9.173	9.323	1964
1965	9.284	9.283	9.348	9.578	10.183	9.420	9.083	9.228	9.807	10.083	9.817	9.781	9.557	1965
1966	9.777	9.848	9.843	10.134	9.888	9.818	9.267	9.388	9.215	9.353	9.847	10.501	9.718	1966
1967	9.813	9.849	9.481	10.528	10.526	10.130	9.651	9.237	9.181	9.532	10.052	9.788	9.818	1967
1968	9.887	9.892	9.887	10.218	9.481	9.388	9.437	9.242	9.288	9.217	9.233	9.283	9.471	1968
1969	9.341	9.412	9.485	10.000	10.383	9.821	9.422	9.345	9.185	9.245	9.828	9.872	9.589	1969
1970	9.504	9.428	9.488	9.772	10.315	10.000	9.828	9.585	9.287	9.340	9.407	9.448	9.624	1970
1971	9.437	9.432	9.545	10.081	10.340	9.485	9.028	8.891	8.883	8.979	9.088	9.283	9.398	1971
1972	9.488	9.478	9.587	9.820	10.771	9.804	9.622	9.537	9.495	9.459	9.784	9.838	9.712	1972
1973	9.577	9.845	10.105	10.871	---	9.861	---	---	9.178	---	---	---	---	1973
1974	9.487	9.488	9.782	10.241	11.095	10.377	9.852	9.208	9.121	9.257	9.831	9.833	9.748	1974
1975	---	---	---	9.783	10.088	9.707	9.158	8.887	8.874	9.112	9.188	9.472	---	1975
1976	9.451	9.438	9.782	10.628	10.430	---	9.352	9.171	9.087	9.173	9.210	9.383	---	1976
1977	9.382	9.358	9.810	10.308	9.788	9.184	9.201	9.022	9.038	9.204	9.410	9.717	9.483	1977
1978	9.840	9.895	9.828	9.902	10.208	---	---	---	---	---	---	---	---	1978
MOYEN	9.384	9.384	9.487	10.068	10.268	9.842	9.478	9.282	9.224	9.309	9.440	9.436	9.537	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 46.788 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 31 00 BASSIN VERSANT, 89 900 km²
LONG 75 13 50 REGULARISE

OUTAOUAIS (RIVIERE DES) A QUYON - STATION NO. 02KF004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1915	---	10.14 LE 21 MAI	---	1915
1916	---	11.39 LE 8 MAI	---	1916
1917	---	10.86 LE 2 JUN	---	1917
1918	---	10.80 LE 20 MAI	---	1918
1919	---	11.70 LE 28 MAI	---	1919
1920	---	10.81 LE 4 MAI	9.13 LE 22 OCT	1920
1921	---	11.12 LE 7 MAI	---	1921
1928	---	---	---	1928
1930	---	10.830 LE 7 JUL	9.266 LE 28 MAR	1930
1931	---	10.281 LE 28 AVR	9.162 LE 14 FEV	1931
1932	---	10.887 LE 10 NOV	9.537 LE 13 JAN	1932
1933	---	11.177 LE 7 MAI	8.833 LE 20 NOV	1933
1934	---	11.211 LE 13 MAI	8.861 LE 11 FEV	1934
1935	---	10.317 LE 5 MAI	9.086 LE 22 DEC	1935
1936	---	11.409 LE 15 MAI	8.978 LE 26 SEP	1936
1937	---	10.888 LE 7 MAI	9.031 LE 12 SEP	1937
1938	---	11.188 LE 25 AVR	9.132 LE 30 DEC	1938
1939	---	10.948 LE 14 MAI	9.018 LE 17 SEP	1939
1940	---	10.894 LE 4 JUN	8.976 LE 16 FEV	1940
1941	---	11.257 LE 28 AVR	9.185 LE 16 JUN	1941
1942	---	10.666 LE 27 AVR	8.902 LE 25 OCT	1942
1943	---	11.445 LE 12 MAI	9.128 LE 25 JUL	1943
1944	---	10.354 LE 13 MAI	8.992 LE 19 AOU	1944
1945	---	10.711 LE 7 JUN	8.888 LE 29 JAN	1945
1946	---	10.289 LE 4 AVR	8.946 LE 8 OCT	1946
1947	---	11.555 LE 20 JUN	8.828 LE 30 SEP	1947
1948	---	10.449 LE 27 AVR	8.894 LE 30 JAN	1948
1949	---	10.878 LE 1 MAI	8.940 LE 7 AOU	1949
1950	---	10.436 LE 19 MAI	9.007 LE 1 OCT	1950
1951	---	11.825 LE 19 AVR *	9.048 LE 5 AOU	1951
1952	---	10.789 LE 28 AVR	9.018 LE 9 AOU	1952
1953	---	10.909 LE 1 AVR	8.705 LE 1 DEC *	1953
1954	---	10.662 LE 20 AVR	9.040 LE 2 JAN	1954
1955	---	11.055 LE 22 AVR	8.887 LE 2 SEP	1955
1956	---	10.467 LE 4 JUN	9.101 LE 15 AOU	1956
1957	---	10.939 LE 8 JUL	8.976 LE 5 SEP	1957
1958	---	10.171 LE 23 AVR	9.037 LE 10 AOU	1958
1959	---	10.305 LE 6 MAI	9.004 LE 19 JUL	1959
1960	---	11.704 LE 18 MAI	9.135 LE 18 SEP	1960
1961	---	9.836 LE 30 AVR	9.068 LE 15 SEP	1961
1962	---	10.807 LE 8 MAI	8.838 LE 23 SEP	1962
1963	---	10.000 LE 8 AVR	8.838 LE 10 AOU	1963
1964	---	10.235 LE 25 AVR	8.876 LE 27 SEP	1964
1965	---	10.348 LE 10 MAI	9.016 LE 1 AOU	1965
1966	---	11.002 LE 25 AVR	9.085 LE 19 SEP	1966
1967	---	11.185 LE 9 MAI	9.088 LE 17 SEP	1967
1968	---	10.531 LE 8 AVR	9.129 LE 1 SEP	1968
1969	---	10.588 LE 15 MAI	9.104 LE 7 SEP	1969
1970	---	10.555 LE 15 MAI	9.101 LE 27 SEP	1970
1971	---	11.079 LE 5 MAI	8.873 LE 8 SEP	1971
1972	---	11.229 LE 8 MAI	9.281 LE 1 OCT	1972
1973	---	10.903 LE 7 AVR	---	1973
1974	---	11.460 LE 20 MAI	9.058 LE 30 SEP	1974
1975	10.900 LE 4 MAI A 1436 HNE	10.880 LE 3 MAI	8.887 LE 9 SEP	1975
1976	11.201 LE 7 AVR A 0315 HNE *	11.183 LE 8 AVR	9.004 LE 1 SEP	1976
1977	10.705 LE 27 AVR A 2130 HNE	10.888 LE 27 AVR	8.885 LE 15 AOU	1977
1978	---	10.728 LE 2 MAI	---	1978

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 48.788 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTAOUAIS (RIVIERE DES) A SAINTE-ANNE-DE-BELLEVUE - STATION NO. 02DA013

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919														1919
1920	21.81	21.78	22.14	22.44	22.47	21.91	21.73	21.53	21.38	21.28	21.41	21.52	21.78	1920
1921	21.48	21.32	22.03	22.89	22.58	21.78	21.42	21.26	21.11	21.27	21.47	21.55	21.67	1921
1922	21.61	21.50	21.86	22.91	22.97	22.03	21.86	21.42	21.36	21.28	21.30	21.32	21.75	1922
1923	21.28	21.51	21.58	22.08	23.20	22.35	21.77	21.48	21.54	21.40	21.44	21.65	21.78	1923
1924	21.64	21.73	21.70	22.50	23.13	22.51	21.84	21.58	21.52	21.86	21.55	21.75	21.93	1924
1925	21.55	21.72	22.05	22.88	22.56	22.34	22.01	21.74	21.39	21.40	21.63	21.88	21.91	1925
1926	21.65	21.52	21.50	21.95	22.92	22.58	22.10	21.72	21.48	21.43	21.87	22.03	21.91	1926
1927	21.75	21.84	22.07	22.14	22.26	22.32	22.11	21.88	21.61	21.86	22.10	22.13	21.86	1927
1928	21.84	21.90	21.86	23.09	23.77	22.86	22.28	21.93	21.93	22.48	22.58	22.13	22.39	1928
1929	22.05	21.86	22.14	22.96	23.54	22.51	22.06	21.62	21.49	21.48	21.89	21.80	22.06	1929
1930	21.80	21.92	21.80	22.14	22.36	22.32	22.36	21.80	21.58	21.85	21.47	21.48	21.86	1930
1931	21.50	21.48	21.47	21.93	22.03	21.82	21.62	21.48	21.33	21.34	21.41	21.62	21.56	1931
1932	21.73	21.77	21.68	22.51	22.27	21.84	21.70	21.68	22.06	22.31	22.67	22.12	22.03	1932
1933	21.88	21.74	21.68	22.89	23.00	22.14	21.89	21.80	21.40	21.32	21.38	21.46	21.85	1933
1934	21.49	21.78	21.61	22.85	23.15	22.27	21.86	21.48	21.46	21.86	21.85	21.77	21.90	1934
1935	21.77	21.88	21.91	22.26	22.18	21.84	21.90	21.85	21.52	21.49	21.83	21.89	21.78	1935
1936	21.82	21.88	22.34	22.56	23.35	22.56	21.73	21.50	21.48	21.74	21.96	21.84	22.03	1936
1937	21.97	21.92	21.94	22.47	22.80	21.99	21.61	21.55	21.46	21.61	22.11	21.84	21.85	1937
1938	21.79	21.78	22.20	23.13	22.84	22.07	21.59	21.50	21.52	21.81	21.65	21.67	21.93	1938
1939	21.57	21.65	21.65	22.23	23.03	22.34	21.97	21.88	21.80	21.82	21.70	21.82	21.91	1939
1940	21.57	21.55	21.56	22.16	22.48	22.80	22.03	21.59	21.59	21.49	21.59	21.83	21.82	1940
1941	21.74	21.72	21.70	22.49	22.21	21.69	21.61	21.57	21.58	21.85	22.19	21.89	21.88	1941
1942	21.89	21.82	22.01	22.80	22.47	22.17	21.85	21.54	21.48	21.46	21.59	21.84	21.85	1942
1943	21.82	21.79	21.91	22.47	23.43	22.72	21.98	21.84	21.88	21.81	21.72	21.88	22.04	1943
1944	21.75	21.66	21.65	21.84	22.21	21.87	21.62	21.44	21.43	21.48	21.49	21.84	21.84	1944
1945	21.65	21.63	22.01	22.48	22.41	22.34	21.85	21.45	21.50	21.67	21.72	21.87	21.85	1945
1946	21.80	21.85	22.25	22.21	22.00	22.03	21.58	21.47	21.44	21.53	21.66	21.89	21.81	1946
1947	21.95	21.95	21.86	22.97	23.81	23.69	22.34	21.74	21.59	21.58	21.58	21.59	22.22	1947
1948	21.84	21.84	21.92	22.40	22.20	21.86	21.58	21.51	21.43	21.38	21.39	21.47	21.70	1948
1949	21.57	21.86	21.75	22.80	22.42	21.85	21.85	21.49	21.47	21.49	21.49	21.82	21.78	1949
1950	21.80	21.71	21.73	22.43	22.30	21.88	21.70	21.55	21.54	21.50	21.70	21.84	21.82	1950
1951	21.81	21.89	22.09	23.68	22.85	21.84	21.92	21.64	21.64	21.85	22.36	22.24	22.14	1951
1952	22.16	22.08	22.01	22.87	22.72	22.30	21.85	21.87	21.88	21.70	21.83	21.88	22.08	1952
1953	21.88	21.94	22.27	22.88	22.15	21.70	21.58	21.49	21.41	21.44	21.42	21.48	21.80	1953
1954	21.80	21.83	21.93	22.75	22.27	22.18	21.86	21.86	21.89	22.22	22.24	22.08	22.01	1954
1955	22.10	22.02	22.03	23.14	22.15	21.70	21.53	21.40	21.37	21.48	21.83	21.83	21.89	1955
1956	21.75	21.87	21.71	22.36	22.43	22.16	21.85	21.80	22.01	22.02	21.80	21.81	21.95	1956
1957	21.84	21.85	21.91	21.95	21.93	21.74	22.36	21.88	21.88	21.87	22.10	22.16	21.93	1957
1958	22.07	22.05	22.08	22.44	21.85	21.75	21.77	21.83	21.72	21.85	21.94	21.91	21.92	1958
1959	21.91	21.93	21.79	22.50	22.24	21.79	21.57	21.55	21.83	21.70	22.03	22.06	21.89	1959
1960	22.02	22.07	21.95	23.07	23.36	22.10	22.24	21.92	---	21.84	---	21.88	---	1960
1961	---	21.74	21.88	22.11	22.15	21.67	---	21.80	---	21.76	21.84	21.83	---	1961
1962	21.87	21.94	21.80	22.49	22.38	21.75	21.52	21.52	---	21.46	21.54	21.48	---	1962
1963	21.54	21.59	21.48	22.46	---	---	21.50	21.43	21.53	21.49	21.82	21.86	---	1963
1964	21.76	21.72	21.89	22.22	22.06	21.83	21.81	21.45	21.38	21.43	21.45	21.59	21.70	1964
1965	21.86	21.71	21.70	21.98	22.28	21.88	21.47	21.82	21.88	22.45	22.23	22.15	21.90	1965
1966	22.16	22.03	22.31	22.45	22.24	22.08	21.85	21.73	21.81	21.85	21.89	---	---	1966
1967	22.12	22.21	---	---	22.68	22.34	22.01	21.68	21.84	21.99	22.54	22.14	---	1967
1968	22.21	22.11	22.17	22.82	21.85	21.75	21.84	21.71	21.85	21.87	21.80	21.74	21.80	1968
1969	21.84	21.88	21.85	22.81	22.68	22.13	21.88	21.85	21.83	21.81	22.02	21.97	22.00	1969
1970	21.84	21.84	21.82	22.37	22.81	22.22	22.14	21.88	21.71	21.75	21.85	21.88	22.01	1970
1971	21.81	21.95	21.99	22.71	22.87	21.84	21.58	21.57	21.53	21.48	21.64	21.82	21.85	1971
1972	21.72	21.78	21.80	22.56	23.13	22.29	22.31	22.15	22.02	22.03	22.28	22.14	22.18	1972
1973	22.18	22.24	22.80	22.82	22.80	22.44	22.21	21.94	21.83	21.90	21.84	21.98	22.28	1973
1974	22.03	22.00	22.26	22.84	23.63	22.95	22.21	21.84	21.88	21.88	21.98	22.06	22.28	1974
1975	21.98	21.96	22.05	22.48	22.43	22.07	---	21.49	21.44	21.52	21.81	21.87R	---	1975
1976	21.98	21.99	22.34	---	22.85	22.11	22.01	21.81	21.88	21.70	21.84	21.81	---	1976
1977	21.96	21.83	22.41	22.76	22.14	21.58	21.59	21.52	21.55	21.80	21.85	22.21	21.93	1977
1978	22.29	22.31	22.03	22.71	22.51	21.85	21.59	21.54	21.48	21.83	21.80	21.72	21.94	1978
1979	---	---	22.35	22.89	23.18	22.15	21.81	21.72	21.79	22.02	22.24	22.43	---	1979
1980	22.25	22.06	22.11	22.89	22.34	21.83	---	21.91	21.77	22.09	22.13	22.06	---	1980
1981	---	22.38	---	22.95	22.40	22.31	21.84	21.88	21.85	21.98	22.06	21.88	---	1981
1982	21.89	21.85	21.94	22.57	---	---	21.82	---	---	21.80	21.78	---	---	1982
1983	---	---	---	---	---	---	---	---	21.48	21.51	21.80	22.06	---	1983
1984	21.94	22.06	22.12	23.00	22.38	22.24	22.06	21.85	21.77	21.84	21.88	22.12	22.09	1984
1985	22.30	22.17	22.39	---	---	21.81	21.77	21.82	21.84	21.82	21.72	---	---	1985
1986	---	22.06	---	---	---	---	21.82	21.86	21.87	22.00	22.02	---	---	1986
1987	---	21.94	22.09	---	21.70	21.89	---	21.43	---	---	---	---	---	1987
MOYEN	21.84	21.84	21.95	22.57	22.59	22.11	21.82	21.85	21.59	21.68	21.80	21.82R	21.92	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)
AJOUTER 0.082 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 24 17
LONG 73 57 25 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

OUTAOUAIS (RIVIERE DES) A SAINTE-ANNE-DE-BELLEVUE - STATION NO. 020A013

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1919	4.90 EN DEC	---	---	1919
1920	22.68 LE 28 MAR	22.67 LE 4 MAI	21.17 LE 23 OCT	1920
1921	22.98 LE 7 MAI A 2400 HNE	22.97 LE 7 MAI	21.01 LE 27 SEP *	1921
1922	23.62 LE 21 AVR	23.60 LE 21 AVR	21.24 LE 7 OCT	1922
1923	23.35 LE 10 MAI A 1800 HNE	23.34 LE 23 MAI	21.23 LE 8 JAN	1923
1924	23.37 LE 19 MAI	23.34 LE 19 MAI	21.38 LE 8 SEP	1924
1925	22.84 LE 31 MAR A 1900 HNE	22.83 LE 31 MAR	21.35 LE 14 OCT	1925
1926	23.07 LE 29 MAI A 1230 HNE	23.06 LE 29 MAI	21.33 LE 18 OCT	1926
1927	22.78 LE 21 MAR A 1200 HNE	22.78 LE 21 MAR	21.53 LE 12 OCT	1927
1928	24.08 LE 15 MAI A 1800 HNE	24.07 LE 15 MAI	21.70 LE 10 SEP	1928
1929	23.79 LE 12 MAI A 1230 HNE	23.78 LE 11 MAI	21.41 LE 22 OCT	1929
1930	22.82 LE 8 JUL A 1100 HNE	22.80 LE 8 JUL	21.41 LE 27 DEC	1930
1931	22.34 LE 29 AVR A 1530 HNE	22.30 LE 30 AVR	21.28 LE 9 SEP	1931
1932	23.04 LE 14 AVR	23.03 LE 14 AVR	21.51 LE 12 JAN	1932
1933	23.51 LE 23 AVR A 1530 HNE	23.49 LE 22 AVR	21.26 LE 3 OCT	1933
1934	23.72 LE 13 AVR A 2200 HNE	23.69 LE 13 AVR	21.37 LE 4 SEP	1934
1935	22.58 LE 4 MAI A 1000 HNE	22.53 LE 4 MAI	21.43 LE 4 SEP	1935
1936	23.69 LE 20 MAI	23.64 LE 18 MAI	21.40 LE 8 SEP	1936
1937	23.15 LE 8 MAI A 1730 HNE	23.13 LE 8 MAI	21.36 LE 15 SEP	1937
1938	23.80 LE 27 MAR	23.69 LE 27 MAR	21.42 LE 8 SEP	1938
1939	23.34 LE 13 MAI A 2000 HNE	23.32 LE 12 MAI	21.60 LE 23 JAN	1939
1940	23.03 LE 5 JUN A 2400 HNE	22.98 LE 5 JUN	21.42 LE 26 OCT	1940
1941	23.33 LE 28 AVR A 1100 HNE	23.31 LE 27 AVR	21.45 LE 11 AOU	1941
1942	23.06 LE 30 AVR	23.03 LE 29 AVR	21.34 LE 8 SEP	1942
1943	24.13 LE 14 MAI A 1300 HNE	24.12 LE 14 MAI	21.62 LE 12 OCT	1943
1944	22.82 LE 13 MAI A 1700 HNE	22.88 LE 12 MAI	21.32 LE 5 SEP	1944
1945	23.33 LE 5 AVR A 1800 HNE	23.29 LE 5 AVR	21.40 LE 17 AOU	1945
1946	22.82 LE 18 MAR A 1200 HNE	22.82 LE 17 MAR	21.37 LE 4 SEP	1946
1947	24.10 LE 28 MAI A 2400 HNE	24.08 LE 30 MAI	21.47 LE 2 SEP	1947
1948	22.70 LE 24 MAR	22.70 LE 23 MAR	21.27 LE 9 NOV	1948
1949	23.02 LE 30 AVR A 1930 HNE	23.01 LE 30 AVR	21.36 LE 7 SEP	1949
1950	22.88 LE 7 AVR A 1730 HNE	22.85 LE 7 AVR	21.41 LE 10 OCT	1950
1951	24.28 LE 19 AVR A 2300 HNE	24.26 LE 20 AVR *	21.52 LE 4 SEP	1951
1952	23.28 LE 5 AVR A 2200 HNE	23.27 LE 5 AVR	21.55 LE 4 NOV	1952
1953	23.37 LE 30 MAR A 1830 HNE	23.37 LE 30 MAR	21.34 LE 9 SEP	1953
1954	23.29 LE 18 AVR A 1530 HNE	23.27 LE 18 AVR	21.44 LE 3 JAN	1954
1955	23.61 LE 21 AVR A 2330 HNE	23.59 LE 21 AVR	21.27 LE 8 SEP	1955
1956	22.92 LE 18 AVR A 1100 HNE	22.90 LE 18 AVR	21.58 LE 2 AVR	1956
1957	22.84 LE 10 JUL A 1000 HNE	22.84 LE 10 JUL	21.48 LE 4 SEP	1957
1958	22.70 LE 2 AVR A 2300 HNE	22.69 LE 2 AVR	21.54 LE 19 AOU	1958
1959	22.96 LE 11 AVR	22.96 LE 11 AVR	21.48 LE 4 AOU	1959
1960	23.73 LE 17 MAI A 1120 HNE	---	---	1960
1961	22.38 LE 3 MAI	---	---	1961
1962	22.81 LE 10 AVR A 1550 HNE	---	---	1962
1963	23.09 LE 5 AVR	---	---	1963
1964	22.73 LE 28 AVR A 1210 HNE	22.66 LE 25 AVR	21.29 LE 8 SEP	1964
1965	22.87 LE 24 OCT A 2347 HNE	22.80 LE 24 OCT	21.29 LE 2 AOU	1965
1966	23.18 LE 27 AVR	---	---	1966
1967	23.30 LE 11 MAI A 1040 HNE	---	---	1967
1968	23.08 LE 31 MAR A 1738 HNE	---	---	1968
1969	23.14 LE 21 MAI A 1521 HNE	23.02 LE 31 MAR	21.47 LE 18 NOV	1969
1970	23.08 LE 7 MAI A 1053 HNE	23.08 LE 21 MAI	21.51 LE 15 SEP	1970
1971	23.61 LE 22 AVR A 1148 HNE	23.00 LE 8 MAI	21.58 LE 7 SEP	1971
1972	23.80 LE 8 MAI A 1040 HNE	23.56 LE 22 AVR	21.35 LE 7 SEP	1972
1973	23.89 LE 19 MAR A 2325 HNE	23.66 LE 8 MAI	21.61 LE 2 JAN	1973
1974	24.21 LE 22 MAI A 1922 HNE	23.63 LE 19 MAR	21.69 LE 31 OCT	1974
		24.11 LE 22 MAI	21.58 LE 25 SEP	
1975	23.48 LE 21 AVR	---	---	1975
1976	24.30 LE 5 AVR	---	---	1976
1977	23.53 LE 17 MAR	---	---	1977
1978	23.24 LE 30 AVR	23.49 LE 17 MAR	21.41 LE 17 SEP	1978
1979	23.74 LE 4 MAI A 1540 HNE	23.21 LE 18 AVR	21.38 LE 10 SEP	1979
		---	---	
1980	23.33 LE 17 AVR A 1502 HNE	---	---	1980
1981	23.75 LE 26 FEV A 1825 HNE	23.72 LE 26 FEV	21.55 LE 26 AOU	1981
1982	23.03 LE 22 AVR	23.00 LE 23 AVR	21.33 LE 12 SEP	1982
1983	23.80 LE 13 MAI A 1702 HNE	23.75 LE 13 MAI	21.36 LE 15 SEP	1983
1984	23.39 LE 19 AVR	23.38 LE 19 AVR	21.69 LE 8 OCT	1984
1985	23.49 LE 30 AVR A 2113 HNE	23.48 LE 1 MAI	21.52 LE 30 OCT	1985
1986	23.07 LE 28 MAI	22.95 LE 10 AVR	21.71 LE 19 JUL	1986
1987	23.20 LE 3 AVR A 1039 HNE	23.18 LE 3 AVR	---	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)
AJOUTER 0.082 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTAOUAIS (RIVIERE DES) AU BARRAGE DE RAPIDE-SEPT - STATION NO. 02JB005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1969	---	---	---	---	---	---	---	---	---	309.63R	309.78R	309.18R	---	1969
1970	308.08R	308.42R	308.88R	307.88R	308.15R	309.60R	308.60R	309.89R	309.74R	309.82R	309.77R	309.49R	309.37R	1970
1971	308.73R	308.62R	308.17R	308.19R	308.87R	309.42R	308.73R	309.60R	309.57R	308.80R	309.72R	309.83R	309.42R	1971
1972	308.80R	308.34R	308.88R	308.10R	309.24R	309.89R	308.71R	309.88R	309.71R	308.88R	309.48R	308.42R	308.40R	1972
1973	308.80R	308.70R	308.07R	308.84R	309.82R	309.89R	308.71R	309.79R	308.77R	309.58R	309.38R	309.55R	308.50R	1973
1974	308.70R	308.36R	308.01R	308.37R	309.55R	309.51R	309.63R	309.85R	309.49R	309.73R	309.63R	309.07R	309.38R	1974
1975	308.17R	308.37R	308.87R	307.87R	309.34R	309.87R	308.34R	309.53R	309.64R	309.70R	309.55R	309.58R	309.30R	1975
1976	308.58R	308.87R	308.48R	308.38R	309.83R	309.78R	308.77R	309.57R	309.61R	309.85R	309.51R	309.58R	309.80R	1976
1977	308.82R	308.52R	308.13R	308.78R	309.47R	309.80R	309.59R	309.54R	309.59R	309.84R	309.68R	309.68R	309.48R	1977
1978	308.51R	308.28R	308.73R	307.85R	308.72R	309.39R	308.47R	309.44R	309.39R	308.84R	309.48R	309.57R	309.18R	1978
1979	308.58R	308.38R	308.18R	308.27R	309.45R	309.58R	309.58R	309.85R	309.80R	---	---	---	---	1979
1982	---	---	---	---	---	---	---	---	---	309.14	309.11	309.24	---	1982
1983	309.08	308.88	308.50	307.02	308.18	309.31	309.31	309.21	309.27	309.34	309.14	309.13	308.87	1983
1984	309.09	308.81	308.32	307.79	309.18	309.27	309.25	309.21	309.22	309.20	309.36	309.27	308.98	1984
1985	309.05	308.72	308.53	307.92	309.22	309.27	309.37	309.21	309.23	309.30	309.20	309.17	309.02	1985
1986	308.85	308.73	307.98	308.28	309.33	309.14	309.03	309.08	309.27	309.20	309.23R	308.88R	308.82R	1986
1987	308.53	308.08	307.89	308.41	309.17	309.30	309.21	309.15	309.05	309.13	309.13	309.24	308.86	1987
MOYEN	308.31R	308.17R	308.78R	308.17R	309.20R	309.48R	309.50R	309.47R	309.47R	309.51R	309.45R	309.38R	309.24R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 48 08 BASSIN VERSANT, 13 100 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1988
LONG 78 18 38 REGULARISE HYDRO-QUEBEC

OUTAOUAIS (RIVIERE DES) AU BARRAGE DE RAPIDE-SEPT - STATION NO. 02JB005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1969	---	---	---	1969
1970	---	309.89R LE 23 JUL	307.54R LE 23 AVR	1970
1971	---	309.89R LE 12 DEC	307.85R LE 21 AVR	1971
1972	---	309.92R LE 13 OCT *	307.82R LE 27 AVR	1972
1973	---	309.92R LE 28 AOU	308.34R LE 4 AVR	1973
1974	---	309.89R LE 16 MAI	308.12R LE 19 AVR	1974
1975	---	309.80R LE 6 OCT	307.54R LE 23 AVR	1975
1976	---	309.92R LE 3 JUL	309.18R LE 28 MAR	1976
1977	---	309.80R LE 24 JUN	308.34R LE 12 AVR	1977
1978	---	309.68R LE 3 OCT	307.38R LE 24 AVR	1978
1979	---	309.74R LE 1 JUL	307.78R LE 16 AVR	1979
1982	---	---	---	1982
1983	---	309.44 LE 14 JUL	308.76 LE 26 AVR *	1983
1984	---	309.51 LE 23 NOV	307.42 LE 13 AVR	1984
1985	---	309.44 LE 4 AOU	307.80 LE 18 AVR	1985
1986	---	309.48 LE 14 SEP	307.40 LE 28 MAR	1986
1987	---	309.34 LE 22 DEC	307.74 LE 23 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

OUTAOUAIS (RIVIERE DES) AU LAC GRANET - STATION NO. 02JB008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.42	28.42	28.49	---	1982
1983	28.84	28.83	28.82	27.84	28.35	29.08	28.70	28.56	28.56	28.61	28.58	28.97	28.84	1983
1984	28.91	28.70	28.50	28.07	28.17	28.53	28.68	28.43	28.42	28.70R	28.94R	28.97R	28.59R	1984
1985	28.96	28.84	28.61	27.87	28.30	28.45	28.64	28.59	28.77	28.68R	28.74R	28.71R	28.61R	1985
1986	28.76	28.78	28.00	28.03	28.38	28.94	28.66	28.62	28.44	28.69R	28.81R	28.68R	28.58R	1986
1987	28.84	28.84	28.05	27.91	27.89	28.12	28.11	28.19	28.19	---	---	---	---	1987
MOYEN	28.87	28.77	28.34	27.98	28.22	28.82	28.56	28.48	28.50	28.64R	28.70R	28.80R	28.61R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 50 38 BASSIN VERSANT, 10 300 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1988
LONG 77 33 00 REGULARISE MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

OUTAOUAIS (RIVIERE DES) AU LAC GRANET - STATION NO. 02JB008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	29.31 LE 14 JUN *	27.84 LE 11 AVR	1983
1984	---	29.01R LE 29 DEC	27.92 LE 12 AVR	1984
1985	---	29.02 LE 2 JAN	27.70 LE 18 AVR	1985
1986	---	29.10 LE 15 JUN	27.86 LE 31 MAR *	1986
1987	---	28.90 LE 1 JAN	27.71 LE 30 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

OUTAOUAIS (RIVIERE DES) AU RESERVOIR DOZOIS - STATION NO. 02JA003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	844.58	843.15	842.25	842.98	847.13	850.04	849.98	850.53	850.92	850.88	850.80	849.81	847.77	1985
1986	848.58	846.81	845.83	845.82	848.58	849.98	850.13	850.61	850.40	850.07	850.26	850.87	848.01	1986
1987	849.73	847.26	844.88	845.37	849.61	850.69	850.33	849.18	847.51	848.00	850.03	850.08	848.57	1987
1988	848.41	845.58	842.38	844.70	848.45	848.50	848.59	848.47	847.84	847.78	847.70	847.04	847.13	1988
1989	845.82	843.84	842.30	844.01	847.96	850.13	850.30	849.89	849.09	847.94	848.81	849.14	847.46	1989
1990	846.91	844.13	842.28	843.13	847.92	850.28	850.55	850.34	849.54	849.11	848.37	847.40	847.52	1990
1991	845.80	844.22	842.25	843.55	847.71	849.26	848.83	848.31	847.53	847.31	847.09	848.81	846.57	1991
1992	848.08	844.28	842.18	842.92	847.22	850.08	850.28	849.67	849.12	849.30	848.47	848.13	847.41	1992
1993	846.10	844.00	842.84	845.33	848.86	850.32	850.46	850.28	850.34	850.84	850.40	849.11	848.32	1993
1994	847.50	845.35	842.54	843.36	848.10	850.47	850.36	850.26	849.49	849.30	850.01	849.33	848.11	1994
1995	847.29	844.38	842.06	842.86	847.85	850.07	850.17	848.71	847.75	847.58	847.11	847.84	846.86	1995
1996	846.85	844.43	842.28	846.42	850.26	850.84	850.70	850.61	850.26	849.75	849.86	848.81	848.36	1996
1977	847.31	844.86	842.81	845.21	850.02	850.34	850.46	850.42	850.06	849.50	849.30	848.28	848.22	1977
1978	846.44	843.52	842.06	842.58	848.86	849.30	849.49	849.33	848.61	848.25	848.56	847.80	846.90	1978
1979	846.18	843.48	841.98	844.59	848.49	850.48	850.48	850.26	850.53	850.91	346.85	345.57	571.46	1979
1980	344.10	340.96	337.93	340.56	344.22	344.53	343.88	343.68	343.73	343.80	344.12	343.80	342.93	1980
1981	341.71	338.37	338.42	343.18	345.77	345.78	345.48	344.58	342.86	341.84	341.42	341.58	342.73	1981
1982	341.26	338.13	337.22	338.21	343.04	344.24	344.10	343.23	342.32	341.89	341.37	342.48	341.56	1982
1983	342.39	340.34	337.61	338.50	344.06	345.74	345.19	344.27	342.80	342.48	342.03	341.35	342.34	1983
1984	341.18	338.50	337.34	338.33	343.77	345.80	345.84	345.65	345.07	344.18	343.17	342.43	342.77	1984
1985	341.81	338.82	337.60	338.05	344.00	345.29	345.13	345.32	344.45	343.03	342.01	341.85	342.46	1985
1986	340.85	337.98	337.78	340.80	345.22	345.81	344.62	343.91	343.82	---	---	---	---	1986
MOYEN	549.85	547.56	545.71	547.43	551.71	553.06	552.97	552.62	551.99	547.05	547.01	546.82	556.69	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 36 45 LONG 77 18 26 — BASSIN VERSANT, 8 210 km² REGULARISE — DONNEES FOURNIES PAR - HYDRO-QUEBEC

OUTAOUAIS (RIVIERE DES) AU RESERVOIR DOZOIS - STATION NO. 02JA003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1985	---	851.08 LE 29 AOU *	841.90 LE 18 MAR	1985
1986	---	851.00 LE 11 DEC	845.18 LE 14 AVR	1986
1987	---	850.79 LE 14 JUN	844.28 LE 31 MAR	1987
1988	---	849.52 LE 1 JAN	841.27 LE 25 MAR	1988
1989	---	850.45 LE 30 JUN	841.78 LE 11 MAR	1989
1990	---	850.77 LE 28 JUL	841.74 LE 18 MAR	1990
1991	---	849.46 LE 8 JUN	841.81 LE 17 MAR	1991
1992	---	850.41 LE 9 JUL	841.83 LE 18 MAR	1992
1993	---	850.78 LE 24 OCT	842.10 LE 15 MAR	1993
1994	---	850.80 LE 16 JUN	841.83 LE 28 MAR	1994
1995	---	850.51 LE 26 JUN	841.50 LE 25 MAR	1995
1996	---	850.73 LE 14 JUL	841.52 LE 15 MAR	1996
1977	---	850.25 LE 23 MAI	841.85 LE 15 MAR	1977
1978	---	849.54 LE 2 JUL	841.81 LE 6 MAR	1978
1979	---	850.69 LE 21 JUN	345.21 LE 31 DEC	1979
1980	---	345.15 LE 1 JAN	338.80 LE 13 MAR	1980
1981	---	345.99 LE 15 MAI	338.88 LE 18 FEV	1981
1982	---	344.33 LE 10 JUN	338.74 LE 18 MAR	1982
1983	---	345.84 LE 3 JUN	338.80 LE 17 MAR	1983
1984	---	345.69 LE 21 JUL	338.70 LE 21 MAR *	1984
1985	---	345.48 LE 9 AOU	338.80 LE 14 MAR	1985
1986	---	---	---	1986

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 304.800 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTAOUAIS (RIVIERE DES) BARRAGE DES RAPIDES DES QUINZE - STATION NO. 02JB008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	283.14	283.22	283.20	---	1982
1983	282.82	281.83	281.01	281.11	283.05	283.42	283.33	283.03	282.72	283.17	283.00	282.71	282.88	1983
1984	282.08	281.33	280.91	281.50	283.07	283.41	283.40	283.38	283.08	---	---	---	---	1984
1985	---	281.95	280.89	280.91	283.23	283.36	283.38	283.28	282.90	282.77	282.85	282.73	---	1985
1986	282.20	281.35	280.85	281.31	283.13	283.32	283.21	283.00	283.05	283.13	283.12R	282.78R	282.63R	1986
1987	282.10	281.34	280.87	280.90	281.72	282.89	282.88	282.81	282.64	282.74	282.89	282.45	282.13	1987
MOYEN	282.25	281.58	280.81	281.15	282.84	283.24	283.24	283.10	282.88	282.99	282.98R	282.77R	282.42R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 35 29 LONG 78 17 42 — BASSIN VERSANT, 23 400 km² REGULARISE — DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

OUTAOUAIS (RIVIERE DES) BARRAGE DES RAPIDES DES QUINZE - STATION NO. 02JB008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	283.80 LE 1 JUN *	280.88 LE 2 AVR	1983
1984	---	283.49 LE 27 MAI	280.82 LE 18 MAR	1984
1985	---	---	---	1985
1986	---	283.39 LE 23 JUN	280.61 LE 29 MAR	1986
1987	---	282.92 LE 9 JUL	280.36 LE 26 MAR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTARDES (RIVIERE AUX) A LA CENTRALE NO. 3 - STATION NO. 02TE003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	229.75	229.84	229.87	---	1982
1983	229.85	229.79	229.84	229.73	229.67	229.85	229.70	229.73	229.75	229.71	229.83	229.75	229.75	1983
1984	229.77	229.71	229.67	229.54	229.75	229.60	229.05	229.59	229.79	229.67	229.83	229.75	229.53	1984
1985	229.75	229.67	229.52	229.55	229.67	229.67	229.64	229.59	229.59	229.65	229.59	229.29	229.62	1985
1986	229.28	229.54	229.75	229.57	229.62	229.50	229.56	229.43	229.48	229.50	229.59R	229.59R	229.54R	1986
1987	229.38	229.48	229.34	229.62	227.50	229.04	229.60	229.54	229.53	229.49	229.38	229.58	229.38	1987
MOYEN	229.60	229.63	229.60	229.60	229.30	229.50	229.31	229.60	229.67	229.61	229.67R	229.64R	229.58R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 49 33 30 BASSIN VERSANT, 17 900 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1986
LONG 68 43 18 REGULARISE HYDRO-QUEBEC

OUTARDES (RIVIERE AUX) A LA CENTRALE NO. 3 - STATION NO. 02TE003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	230.18 LE 7 FEV	228.90 LE 28 OCT	1983
1984	---	232.01 LE 24 JUL *	202.00 LE 25 JUL *	1984
1985	---	230.08 LE 10 OCT	228.94 LE 8 DEC	1985
1986	---	230.34 LE 8 JUN	228.84 LE 7 JAN	1986
1987	---	230.08 LE 30 AVR	230.87 LE 21 MAI	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

OUTARDES (RIVIERE AUX) A LA CENTRALE NO. 4 - STATION NO. 02TE002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	352.14	352.20	351.92	---	1982
1983	351.23	350.11	348.73	347.67	350.70	352.35	353.26	353.34	---	353.33	352.83	352.78	---	1983
1984	352.42	351.68	350.39	347.80	348.09	351.10	352.48	353.22	352.89	352.92	352.59	351.84	351.48	1984
1985	351.08	350.02	349.80	349.28	350.04	352.67	353.18	352.89	352.77	352.88	352.34	351.13	351.52	1985
1986	348.43	347.80	346.74	344.31	348.42	348.77	349.89	349.62	349.78	350.16	349.89R	348.88R	348.40R	1986
1987	347.88	346.81	343.43	343.22	344.52	345.55	348.13	348.89	347.80	348.13	348.11	347.51	348.22	1987
MOYEN	350.34	348.00	347.58	348.50	347.95	350.13	350.94	351.27	350.81	351.80	351.38R	350.71R	349.40R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 49 42 35 BASSIN VERSANT, 17 200 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1986
LONG 68 54 28 REGULARISE HYDRO-QUEBEC

OUTARDES (RIVIERE AUX) A LA CENTRALE NO. 4 - STATION NO. 02TE002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	353.46 LE 8 AOU	346.61 LE 29 AVR	1984
1985	---	353.50 LE 28 JUN *	349.18 LE 25 AVR	1985
1986	---	350.33 LE 1 JAN	343.97 LE 25 AVR	1986
1987	---	348.42 LE 1 JAN	342.61 LE 31 MAR *	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PAPINEAU (LAC) - STATION NO. 02LC014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	375.32	375.32	375.30	375.53	375.51	375.48	375.51	375.58	375.50	375.53	375.51	375.51	375.47	1983
1984	375.50	375.18	375.15	375.51	375.55	375.50	375.50	375.35	375.34	375.15	375.22	375.54	375.37	1984
1985	375.53	375.54	375.21	375.37	375.55	375.42	375.47	375.48	375.48	375.55	375.55	375.51	375.47	1985
1986	375.51	375.51	375.46	375.43	375.52	375.49	375.46	375.45	375.48	375.48	375.51	375.51	375.50	1986
1987	375.78	375.73	375.51	375.51	375.75	375.78	375.70	375.70	375.75	375.78	375.75	375.75	375.74	1987
1988	375.72	375.63	375.57	375.55	375.55	375.73	375.68	375.59	375.60	375.75	375.74	375.75	375.70	1988
1989	375.74	375.59	375.58	375.51	375.52	375.76	375.72	375.70	375.73	375.72	375.78	375.84	375.72	1989
1990	375.58	375.54	375.41	375.57	375.78	375.51	375.78	375.77	375.80	375.52	375.80	375.78	375.71	1990
1991	375.71	375.58	375.58	375.50	375.54	375.71	375.70	375.59	375.70	375.68	375.68	375.86	375.68	1991
1992	375.65	375.70	375.58	375.57	375.51	375.76	375.75	375.74	375.71	375.77	375.66	375.72	375.73	1992
1993	375.73	375.67	375.58	375.76	375.73	375.76	375.60	375.76	375.76	375.73	375.74	375.73	375.74	1993
1994	375.76	375.77	375.63	375.71	375.65	375.80	375.61	375.76	375.77	375.78	375.80	375.80	375.77	1994
1995	375.78	375.78	375.57	---	375.65	375.61	375.76	375.72	375.71	375.76	375.79	375.77	---	1995
1996	375.75	375.74	375.66	375.81	375.71	---	375.78	375.76	375.79	375.81	375.78	375.78	---	1996
1997	375.74	375.74	375.63	375.81	375.78	375.78	375.77	375.79	375.66	375.75	375.84	375.81	375.78	1997
1998	375.77	375.66	---	375.62	375.61	375.79	375.76	375.76	375.73	---	375.75	375.78	---	1998
1999	375.79	375.73	375.62	375.76	375.75	375.76	375.76	375.76	375.66	375.71	375.80	375.76	375.74	1999
1980	375.77	375.72	375.64	375.61	375.76	375.76	375.80	375.80	375.83	375.76	375.76	375.76	375.76	1980
1981	375.72	375.79	375.61	375.64	375.61	375.82	375.75	375.76	375.77	375.72	375.79	375.74	375.76	1981
1982	375.73	375.71	375.69	375.67	375.76	375.76	375.76	375.73	375.73	375.74	375.74	375.74	375.73	1982
1983	375.67	375.66	375.58	375.67	375.63	375.75	375.71	375.69	375.76	375.76	375.77	375.74	375.71	1983
1984	375.71	375.71	375.67	375.80	375.81	375.79	375.76	375.76	375.75	375.78R	375.80R	375.77R	375.74R	1984
1985	375.72	375.68	375.51	375.73	375.82	375.76	375.76	375.74	375.74	375.72R	375.72R	375.71R	375.72R	1985
1986	375.67	375.58	---	375.79	375.77	375.75	375.75	375.76	375.76	375.71R	375.74R	375.71R	---	1986
1987	375.68	375.86	375.67	375.78	375.77	375.76	375.76	375.72	375.71	---	---	---	---	1987
MOYEN	375.68	375.64	375.54	375.71	375.76	375.72	375.71	375.70	375.69	375.70R	375.72R	375.71R	375.68R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 07 21 BASSIN VERSANT, 17.8 km²
LONG 74 17 38 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

PAPINEAU (LAC) - STATION NO. 02LC014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	377.33 LE 3 AOU *	375.21 LE 26 MAR	1983
1984	---	376.03 LE 23 AVR	375.06 LE 21 FEV	1984
1985	---	375.75 LE 24 OCT	374.92 LE 3 AVR	1985
1986	---	375.80 LE 22 AVR	374.81 LE 6 AVR *	1986
1987	---	376.10 LE 18 JUN	375.58 LE 17 MAI	1987
1988	---	376.02 LE 14 AVR	375.12 LE 7 SEP	1988
1989	---	376.11 LE 18 AVR	375.43 LE 10 FEV	1989
1990	---	376.18 LE 1 MAI	375.38 LE 5 AVR	1990
1991	---	375.84 LE 6 MAI	375.41 LE 26 MAR	1991
1992	---	376.17 LE 8 MAI	376.83 LE 20 NOV	1992
1993	---	376.07 LE 1 JUL	375.51 LE 13 AVR	1993
1994	---	376.15 LE 30 AVR	375.43 LE 4 AVR	1994
1995	---	---	---	1995
1996	---	---	---	1996
1997	---	376.13 LE 22 AVR	375.43 LE 26 MAR	1997
1998	---	---	---	1998
1999	---	376.13 LE 28 AVR	375.37 LE 2 OCT	1999
1980	---	375.17 LE 10 AVR	375.53 LE 27 MAR	1980
1981	---	375.36 LE 5 AVR	375.47 LE 12 MAR	1981
1982	---	376.09 LE 19 AVR	376.39 LE 13 AVR	1982
1983	---	376.10 LE 4 MAI	375.41 LE 2 AVR	1983
1984	---	376.03 LE 18 AVR	376.39 LE 30 MAR	1984
1985	---	376.12 LE 27 AVR	375.36 LE 26 MAR	1985
1986	---	---	---	1986
1987	---	376.20 LE 1 AVR	375.63 LE 22 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PERIBONCA (RIVIERE) A LA CENTRALE DE CHUTE-A-LA-SAVANE - STATION NO. 02RC002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	137.90	137.88	137.88	137.88	137.88	137.90	137.90	137.88	137.90	137.90	137.90	137.90	137.90	1983
1984	137.88	137.88	137.88	137.88	137.88	137.88	137.90	137.88	137.88	137.88	137.88	137.88	137.88	1984
1985	137.88	137.88	137.88	137.90	137.88	137.88	137.90	137.88	137.88	137.88	137.88	137.88	137.89	1985
1986	137.89	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.87	137.88	137.88	1986
1987	137.87	137.88	137.88	137.88	137.88	137.84	137.85	137.88	137.85	137.85	137.86	137.88	137.88	1987
MOYEN	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.88	137.87	137.88	137.88	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 48 15 BASSIN VERSANT, 28 800 km²
LONG 71 50 24 REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

PERIBONCA (RIVIERE) A LA CENTRALE DE CHUTE-A-LA-SAVANE - STATION NO. 02RC002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	137.82 LE 11 JAN	137.82 LE 27 MAR	1983
1984	---	137.82 LE 11 MAI	137.38 LE 22 NOV *	1984
1985	---	137.82 LE 23 JUN	137.82 LE 15 MAR	1985
1986	---	137.82 LE 18 JUN	137.80 LE 20 FEV	1986
1987	---	137.84 LE 21 NOV *	137.87 LE 9 JUN	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PERIBONCA (RIVIERE) A LA CENTRALE DE LA CHUTE DU DIABLE - STATION NO. 02RC007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	172.21	172.23	172.09	168.67	169.79	172.21	172.23	172.21	172.23	172.23	172.23	172.22	171.71	1983
1984	172.23	172.22	171.72	168.08	172.05	172.23	172.23	172.23	172.23	172.23	172.23	172.23	171.63	1984
1985	172.23	172.24	172.24	168.34	168.25	172.23	172.24	172.23	172.22	172.24	172.21	172.21	171.67	1985
1986	172.22	172.22	172.22	168.08	172.06	172.18	172.21	172.22	172.21	172.22	172.22	172.22	171.66	1986
1987	172.22	172.23	172.20	169.34	171.88	172.21	172.20	172.18	172.21	172.20	172.20	172.21	171.93	1987
MOYEN	172.22	172.23	172.09	168.48	170.77	172.21	172.22	172.22	172.22	172.22	172.22	172.22	171.76	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 48 51 BASSIN VERSANT, 25 800 km²
LONG 71 41 51 REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

PERIBONCA (RIVIERE) A LA CENTRALE DE LA CHUTE DU DIABLE - STATION NO. 02RC007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	172.28 LE 9 SEP	168.24 LE 5 MAI	1983
1984	---	172.26 LE 4 JAN	166.88 LE 24 AVR	1984
1985	---	172.27 LE 26 JUL	165.98 LE 26 AVR *	1985
1986	---	172.27 LE 14 SEP	166.49 LE 26 AVR	1986
1987	---	172.29 LE 17 SEP *	166.86 LE 18 AVR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PERIBONCA (RIVIERE) AU RESERVOIR DE LA PASSE DANGEREUSE - STATION NO. 02RC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1943	407.88	407.40	407.24	407.02	413.71	431.80	435.29	437.43	440.05	438.59	437.32	430.81	424.82	1943
1944	423.14	411.59	408.69	408.43	416.80	427.04	430.75	433.82	437.27	439.76	440.33	439.20	426.11	1944
1945	437.08	432.89	428.30	428.98	435.28	439.89	440.07	440.18	440.15	440.15	440.37	439.98	438.87	1945
1946	437.44	435.81	436.04	435.33	437.23	440.26	440.43	440.43	439.25	439.81	440.44	439.14	438.49	1946
1947	438.69	428.33	423.86	422.73	420.02	434.03	438.63	439.87	440.38	440.42	439.84	437.18	433.42	1947
1948	430.82	420.12	408.18	407.41	417.84	429.77	433.02	435.70	437.12	436.13	428.89	427.05	426.11	1948
1949	422.81	418.33	412.88	414.98	421.86	433.00	437.95	440.11	440.17	440.41	440.07	438.49	429.80	1949
1950	432.05	426.80	424.71	424.12	427.35	438.47	440.39	440.17	437.80	434.37	438.01	437.88	433.37	1950
1951	436.74	430.80	423.28	424.03	431.42	438.63	433.63	430.00	428.80	428.37	431.12	433.31	430.40	1951
1952	432.88	427.88	418.74	416.88	423.71	434.74	437.86	439.40	440.26	440.40	439.81	438.83	432.62	1952
1953	437.85	435.98	432.58	431.82	435.76	440.18	439.83	438.77	438.18	439.83	438.13	437.89	437.28	1953
1954	438.19	433.33	430.30	424.79	428.76	438.80	437.18	438.05	438.48	438.48	438.83	438.31	433.89	1954
1955	434.82	431.77	427.67	422.80	428.34	435.88	434.17	429.44	424.78	424.11	425.31	422.44	428.37	1955
1956	422.00	421.35	418.46	415.54	418.81	427.53	432.56	434.84	438.22	440.45	439.47	438.49	428.78	1956
1957	434.85	431.48	425.93	417.89	420.59	430.54	436.71	438.05	440.18	440.01	438.62	438.01	432.88	1957
1958	438.40	437.78	434.43	430.47	433.77	438.91	439.96	439.88	439.88	439.88	438.73	438.32	437.36	1958
1959	434.11	430.34	423.84	416.02	419.13	431.20	434.52	438.31	437.84	438.05	439.89	439.83	431.77	1959
1960	438.72	438.84	433.75	428.21	431.11	438.19	439.22	440.00	440.12	440.17	440.21	439.77	437.20	1960
1961	439.14	437.99	436.17	434.22	438.83	440.15	440.14	440.19	440.24	439.92	438.84	437.06	438.43	1961
1962	434.08	430.07	426.96	423.34	426.85	433.75	434.26	435.96	438.51	437.10	434.76	433.72	432.20	1962
1963	432.34	429.59	425.71	421.05	423.42	431.90	435.33	437.26	435.89	434.40	433.51	433.87	431.17	1963
1964	433.58	432.53	429.56	426.05	432.86	439.20	440.16	439.34	439.35	438.24	438.06	438.58	435.86	1964
1965	436.78	435.71	432.26	427.19	427.48	436.03	438.86	440.48	440.55	440.58	440.02	438.38	436.20	1965
1966	437.41	435.84	431.56	427.85	429.84	437.86	438.63	440.28	440.35	440.56	440.57	440.28	438.72	1966
1967	439.19	438.09	434.16	429.06	427.38	433.45	435.11	438.32	437.84	438.48	440.52	439.47	436.00	1967
1968	438.50	437.57	434.42	430.89	435.36	437.27	436.43	438.10	439.62	439.86	439.86	438.47	437.17	1968
1969	437.91	436.63	431.81	427.28	427.10	435.26	438.88	439.18	438.82	439.89	440.14	439.84	436.02	1969
1970	439.08	438.21	435.10	430.30	431.71	438.63	440.46	440.58	440.54	440.19	438.82	437.21	437.84	1970
1971	436.07	433.88	430.19	426.30	427.78	432.00	432.86	433.73	435.15	437.88	438.88	437.18	433.37	1971
1972	435.84	433.16	428.72	423.07	421.77	431.61	432.87	432.31	434.02	436.90	438.98	436.24	431.88	1972
1973	432.25	428.38	424.51	420.85	428.26	437.88	438.48	440.19	440.48	440.45	440.05	438.88	434.38	1973
1974	438.21	436.35	432.85	428.36	427.55	436.16	440.07	439.85	439.41	439.10	438.88	438.87	436.44	1974
1975	438.58	437.21	432.19	427.29	428.78	435.83	438.35	439.70	439.10	439.28	439.48	439.48	436.20	1975
1976	439.06	437.84	434.88	432.12	436.19	439.89	438.09	438.19	439.28	440.31	438.97	437.88	437.81	1976
1977	436.32	434.03	431.48	428.74	431.76	440.03	440.53	440.64	440.49	440.38	440.19	439.88	437.02	1977
1978	437.44	434.53	431.09	427.18	427.82	435.62	438.87	440.52	440.22	438.77	438.38	438.11	435.88	1978
1979	436.36	434.28	431.42	430.43	436.43	440.34	439.92	440.09	440.00	440.18	440.37	440.08	437.52	1979
1980	438.50	438.09	432.63	429.84	434.72	437.78	438.83	440.23	439.88	440.47	440.29	439.24	437.40	1980
1981	437.68	435.37	434.78	433.23	435.42	440.43	440.26	439.11	437.81	437.84	437.08	435.82	437.03	1981
1982	432.68	429.85	427.20	424.38	428.83	437.41	438.87	438.50	438.50	438.70	438.27	438.87	434.58	1982
1983	437.73	435.48	432.51	430.57	435.53	440.80	440.12	439.77	438.81	440.48	439.81	438.22	437.54	1983
1984	436.00	433.07	430.41	427.64	432.35	437.50	438.55	439.33	438.38	438.84	438.82	438.88	435.78	1984
1985	437.81	434.84	430.63	425.32	428.12	436.17	438.38	437.88	437.17	437.50	437.83	437.08	434.78	1985
1986	435.82	432.91	428.13	424.17	431.82	435.81	436.37	435.48	435.71	437.70	437.84	437.11	434.04	1986
1987	435.06	431.80	426.78	425.81	430.37	432.74	432.83	433.83	434.80	436.80	436.08	436.18	432.82	1987
MOYEN	434.88	431.87	427.80	424.78	428.42	435.84	437.81	438.02	438.13	438.45	438.14	437.05	434.24	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 54 00 LONG 71 18 15

BASSIN VERSANT, 11 000 km²
REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

PERIBONCA (RIVIERE) AU RESERVOIR DE LA PASSE DANGEREUSE - STATION NO. 02RC005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1943	---	440.48 LE 19 SEP	408.89 LE 24 AVR	1943
1944	---	440.52 LE 8 NOV	408.38 LE 21 AVR *	1944
1945	---	440.50 LE 13 NOV	428.00 LE 18 MAR	1945
1946	---	440.54 LE 8 NOV	434.01 LE 24 AVR	1946
1947	---	440.55 LE 14 SEP	417.88 LE 8 MAI	1947
1948	---	437.48 LE 3 SEP	408.52 LE 31 MAR	1948
1949	---	440.58 LE 31 OCT	411.83 LE 2 MAR	1949
1950	---	440.51 LE 28 JUL	423.28 LE 20 AVR	1950
1951	---	437.82 LE 1 JAN	421.86 LE 27 MAR	1951
1952	---	440.48 LE 21 OCT	415.12 LE 23 MAR	1952
1953	---	440.32 LE 15 JUN	430.83 LE 4 AVR	1953
1954	---	437.82 LE 29 JUN	423.84 LE 19 AVR	1954
1955	---	436.20 LE 15 JUN	421.35 LE 15 AVR	1955
1956	---	440.58 LE 23 OCT	414.49 LE 15 AVR	1956
1957	---	440.57 LE 26 SEP	415.15 LE 20 AVR	1957
1958	---	440.21 LE 8 SEP	430.04 LE 18 AVR	1958
1959	---	440.08 LE 8 DEC	411.89 LE 29 AVR	1959
1960	---	440.30 LE 12 SEP	428.73 LE 1 MAI	1960
1961	---	440.39 LE 21 SEP	433.91 LE 27 AVR	1961
1962	---	437.83 LE 8 OCT	422.37 LE 27 AVR	1962
1963	---	437.51 LE 12 AOU	419.94 LE 25 AVR	1963
1964	---	440.50 LE 12 JUL	425.45 LE 15 AVR	1964
1965	---	440.57 LE 31 OCT *	424.69 LE 6 MAI	1965
1966	---	440.54 LE 2 DEC	427.37 LE 23 AVR	1966
1967	---	440.53 LE 2 NOV	426.26 LE 6 MAI	1967
1968	---	440.22 LE 31 OCT	430.10 LE 20 AVR	1968
1969	---	440.57 LE 24 NOV	425.31 LE 6 MAI	1969
1970	---	440.55 LE 22 SEP	426.54 LE 30 AVR	1970
1971	---	439.26 LE 2 NOV	423.74 LE 26 AVR	1971
1972	---	437.66 LE 23 OCT	419.52 LE 13 MAI	1972
1973	---	440.60 LE 17 OCT	420.08 LE 19 AVR	1973
1974	---	440.41 LE 3 JUL	426.06 LE 10 MAI	1974
1975	---	438.88 LE 10 AOU	426.23 LE 3 MAI	1975
1976	---	440.51 LE 18 OCT	431.16 LE 30 AVR	1976
1977	---	440.58 LE 5 JUL	427.62 LE 26 AVR	1977
1978	---	440.58 LE 17 AOU	424.59 LE 7 MAI	1978
1979	---	440.57 LE 26 OCT	430.06 LE 24 AVR	1979
1980	---	440.59 LE 18 OCT	429.69 LE 25 AVR	1980
1981	---	440.57 LE 10 JUN	432.78 LE 3 MAI	1981
1982	---	440.22 LE 2 AOU	423.59 LE 25 AVR	1982
1983	---	440.59 LE 18 JUN	430.09 LE 20 AVR	1983
1984	---	439.59 LE 4 AOU	426.91 LE 24 AVR	1984
1985	---	438.47 LE 1 JUL	423.30 LE 30 AVR	1985
1986	---	437.92 LE 19 NOV	423.44 LE 22 AVR	1986
1987	---	438.58 LE 4 DEC	423.98 LE 2 AVR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PERIBONCA (RIVIERE) EN AVAL DE LA CENTRALE CHUTE DU DIABLE - STATION NO. 02RC008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	139.30	139.90	139.28	139.08	139.57	139.68	139.01	139.18	139.32	---	1977
1978	139.88	139.68	139.41	139.30	139.62	139.81	139.87	139.00	139.13	139.22	139.81	139.08	139.27	1978
1979	139.08	139.15	139.28	139.28	140.32	140.87	139.14	139.88	139.88	140.00	139.20	139.05	139.57	1979
1980	139.28	139.41	139.87	139.83	139.68	139.88	139.88	139.27	139.07	140.02	139.01	139.12	139.10	1980
1981	139.14	139.38	139.07	139.70	140.26	140.79	139.68	139.19	139.23	139.13	139.14	139.15	139.48	1981
1982	139.40	139.20	139.88	139.33	139.83	139.48	139.28	139.05	139.24	139.17	139.38	139.08	139.27	1982
1983	139.17	139.24	139.30	139.88	140.27	140.81	139.01	139.26	139.77	139.80	139.48	139.41	139.80	1983
1984	139.28	139.31	139.27	139.48	140.22	138.98	139.31	139.12	139.08	139.08	139.22	139.08	139.29	1984
1985	139.19	139.14	139.13	139.83	139.48	139.21	139.28	139.05	138.87	139.34	139.14	139.06	139.21	1985
1986	139.10	139.11	139.13	139.38	139.46	138.87	139.08	139.14	139.04	139.07	139.04	139.11	139.13	1986
1987	139.13	139.15	139.22	139.42	139.12	139.12	138.83	138.77	138.83	138.84	138.80	138.83	138.98	1987
MOYEN	139.23	139.25	139.18	139.36	139.73	139.69	139.14	139.21	139.27	139.31	139.14	139.12	139.29	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 48 51 BASSIN VERSANT, 25 800 km²
LONG 71 41 51 REGULARISE

DONNEES FOURNIES PAR - LA COMPAGNIE ALUMINIUM DU CANADA

PERIBONCA (RIVIERE) EN AVAL DE LA CENTRALE CHUTE DU DIABLE - STATION NO. 02RC008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	141.15 LE 15 JUN	138.52 LE 2 SEP	1978
1979	---	142.83 LE 30 JUN *	137.98 LE 25 JUL	1979
1980	---	141.05 LE 10 OCT	138.84 LE 1 AVR *	1980
1981	---	141.93 LE 17 MAI	138.81 LE 29 OCT	1981
1982	---	141.05 LE 13 MAI	138.57 LE 8 MAR	1982
1983	---	141.84 LE 12 JUN	138.14 LE 29 JUL	1983
1984	---	141.00 LE 26 MAI	137.71 LE 24 JUN	1984
1985	---	140.38 LE 3 JUN	137.12 LE 21 DEC	1985
1986	---	141.03 LE 3 MAI	138.48 LE 28 JUN	1986
1987	---	139.87 LE 3 AVR	137.77 LE 14 OCT	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PERIBONCA (RIVIERE) EN AVAL DE LA CENTRALE DE CHUTE-A-LA-SAVANE - STATION NO. 02RC009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	104.15	105.45	104.22	103.87	104.45	104.82	103.88	103.70	103.77	---	1977
1978	104.03	103.78	103.83	103.87	104.81	104.74	103.90	103.90	103.85	104.25	103.88	103.82	104.04	1978
1979	103.19	103.19	103.61	103.87	105.74	105.22	103.88	104.82	104.81	105.24	104.32	104.11	104.43	1979
1980	103.89	104.04	104.05	104.48	104.71	103.88	103.84	103.89	103.68	105.02	103.29	103.27	103.88	1980
1981	103.22	103.78	103.18	104.48	105.47	105.93	104.20	103.86	103.63	103.55	103.83	103.37	103.88	1981
1982	103.61	103.38	102.78	103.78	105.08	104.19	103.80	103.49	103.78	103.48	103.94	103.58	103.74	1982
1983	103.36	103.37	103.80	104.74	105.83	105.84	103.28	103.30	104.17	104.37	103.88	103.71	104.09	1983
1984	103.87	103.63	103.47	104.09	105.33	103.38	103.80	103.43	103.25	103.29	103.52	103.48	103.88	1984
1985	103.33	103.20	103.24	103.88	104.28	103.74	103.82	103.35	103.13	103.78	103.68	103.60	103.58	1985
1986	103.28	103.24	103.28	103.88	104.08	103.23	103.43	103.45	103.82	103.48	103.41	103.42	103.48	1986
1987	103.28	103.24	103.38	104.00	103.34	103.37	103.00	102.80	103.05	103.40	103.32	103.10	103.27	1987
MOYEN	103.49	103.47	103.43	104.13	104.80	104.43	103.88	103.70	103.77	103.97	103.83	103.82	103.83	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 45 15 BASSIN VERSANT, 25 800 km²
LONG 71 50 24 REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

PERIBONCA (RIVIERE) EN AVAL DE LA CENTRALE DE CHUTE-A-LA-SAVANE - STATION NO. 02RC009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	107.08 LE 15 JUN	102.57 LE 18 FEV	1978
1979	---	108.38 LE 2 MAI *	101.95 LE 25 JUL	1979
1980	---	108.81 LE 11 OCT	102.80 LE 2 SEP	1980
1981	---	108.13 LE 16 MAI	102.71 LE 19 MAR	1981
1982	---	107.14 LE 13 MAI	102.35 LE 8 MAR	1982
1983	---	107.78 LE 12 JUN	102.20 LE 28 JUN	1983
1984	---	108.80 LE 26 MAI	102.82 LE 1 MAR	1984
1985	---	105.47 LE 3 JUN	102.45 LE 8 JUN	1985
1986	---	106.88 LE 3 MAI	102.55 LE 28 JUN	1986
1987	---	104.95 LE 3 AVR	101.78 LE 8 SEP *	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PETIT MECATINA (RIVIERE DU) EN AVAL DU LAC BRETON - STATION NO. 02XA007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.48	28.48	28.28	---	1982
1983	28.18	---	---	---	28.41	27.80	27.08	26.98	26.85	27.24	27.07	26.74	---	1983
1984	26.38	26.18	26.13	26.22	---	---	27.28	26.52	26.78	26.61R	26.33R	26.43R	---	1984
1985	26.21	26.09	26.02	26.00	27.38	28.03	27.48	27.44	27.02	27.23R	26.84R	26.21R	26.80R	1985
1986	26.11	26.22	---	---	28.30	27.20	27.05	26.73	27.04	26.88R	26.38R	26.18R	---	1986
1987	26.00	25.93	25.81	27.05	27.78	27.30	26.78	26.68	26.88	---	---	---	---	1987
MOYEN	26.17	26.10	26.02	26.42	28.22	27.78	27.13	26.87	26.90	26.88R	26.58R	26.38R	26.90R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 251.872 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 51 49 17 BASSIN VERSANT, 12 100 km²
LONG 60 05 36 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

PETIT MECATINA (RIVIERE DU) EN AVAL DU LAC BRETON - STATION NO. 02XA007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	30.87 LE 30 MAI *	25.95 LE 7 AVR	1985
1986	---	---	---	1986
1987	---	28.82 LE 27 AVR	25.86 LE 31 MAR *	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 261.872 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PILES (LAC DES) - STATION NO. 02NG017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	---	185.70	---	185.81	---	1977
1978	---	---	---	186.02	185.86	185.93	185.93	185.82	185.88	---	---	186.02	---	1978
1979	---	---	---	186.02	186.03	185.95	185.88	185.79	185.92	185.92	185.93	---	---	1979
1980	---	---	---	185.95	185.99	185.81	185.79	185.83	185.73	185.79	185.87	185.91	---	1980
1981	185.87	185.87	---	---	185.86	186.00	185.92	185.90	185.83	185.78R	185.88R	185.88R	---	1981
1982	---	---	---	---	---	185.85R	185.78R	---	---	---	185.84R	---	---	1982
1983	---	---	---	---	---	---	---	---	---	---	185.51R	---	---	1983
1984	---	---	---	186.00R	185.97R	185.97R	185.97R	185.93R	185.88R	185.80R	---	---	---	1984
1985	---	---	---	---	---	185.81	185.87	185.76	185.86	185.70R	185.86R	---	---	1985
1986	---	---	---	185.87	185.03	185.99	185.90	185.80	185.86	185.87R	185.81R	185.78R	---	1986
1987	185.77	185.74	185.73	185.80	185.86	185.92	185.94	185.86	185.78	---	---	---	---	1987
MOYEN	185.82	185.86	185.73	185.98R	185.96R	185.94R	185.88R	185.85R	185.80R	185.79R	185.78R	185.80R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 38 30 BASSIN VERSANT, 16.2 km²
LONG 72 46 50 DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

PILES (LAC DES) - STATION NO. 02NG017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	186.05 LE 1 AVR *	185.69 LE 22 MAR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PINS (RIVIERE AUX) AU RESERVOIR SAINT-JOSEPH - STATION NO. 02PC011

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	47.50	47.25	47.03	47.68	47.80	47.84	47.58	47.48	47.54	48.85	47.24	47.58	47.44	1968
1969	47.40	47.21	46.89	47.34	48.06	47.73	47.70	47.70	47.63	47.84	47.56	47.63	47.54	1969
1970	47.48	47.38	47.18	47.28	47.76	47.62	47.67	47.66	47.66	47.64	47.64	47.61	47.55	1970
1971	47.50	47.48	47.18	47.04	47.76	47.63	47.68	47.67	47.62	47.13	47.11	47.63	47.44	1971
1972	47.51	47.49	47.42	47.00	47.82	47.67	47.66	47.67	47.59	47.42	47.56	47.56	47.54	1972
1973	47.53	47.54	47.43	47.49	47.76	47.64	47.67	47.61	47.33	47.07	47.33	47.56	47.50	1973
1974	47.34	47.33	47.10	47.18	48.01	47.58	47.61	47.57	47.46	47.49	47.15	47.04	47.41	1974
1975	48.75	48.64	48.77	47.10	47.66	47.63	47.61	47.47	47.52	47.44	47.46	47.35	47.28	1975
1976	47.10	47.20	46.76	47.52	47.58	47.63	47.65	47.63	47.60	47.55	47.52	47.53	47.44	1976
1977	47.50	47.45	47.00	47.08	47.50	47.61	47.63	47.61	47.40	46.90	47.29	47.46	47.37	1977
1978	47.49	47.29	46.78	46.74	47.38	47.58	47.55	47.53	47.48	46.87	47.17	47.55	47.29	1978
1979	47.52	47.45	47.38	---	47.69	47.56	47.52	47.54	47.65	47.63	47.61	47.56	---	1979
1980	47.48	47.39	46.88	47.38	47.62	47.65	47.66	47.63	47.64	47.65	47.64	47.58	47.52	1980
1981	47.41	47.45	47.06	47.51	47.67	47.67	47.63	47.64	47.56	47.12	47.48	47.46	47.47	1981
1982	47.48	47.40	47.07	47.05	47.50	47.61	47.61	47.58	47.64	47.65	47.56	47.50	47.48	1982
1983	47.48	47.41	47.07	47.10	47.67	47.58	47.60	47.56	47.60	47.61	47.63	47.55	47.46	1983
1984	47.31	47.18	46.89	47.04	47.63	47.62	47.62	47.60	47.55	47.60R	47.57R	47.49R	47.42R	1984
1985	47.37	47.20	47.01	46.98	47.58	47.62	47.62	47.52	47.44	47.61R	47.57R	47.40R	47.41R	1985
1986	47.48	---	46.85	47.22	47.64	47.62	47.61	47.61	47.62	47.63R	47.53R	47.42R	---	1986
1987	47.37	---	47.09	47.82	47.67	47.67	47.67	47.63	---	---	---	---	---	1987
MOYEN	47.38	47.32	47.05	47.24	47.67	47.63	47.62	47.60	47.55	47.41R	47.46R	47.49R	47.45R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 111.227 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 52 04 BASSIN VERSANT, 213 km²
LONG 71 38 27 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

PINS (RIVIERE AUX) AU RESERVOIR SAINT-JOSEPH - STATION NO. 02PC011

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1968	---	48.34 LE 27 AVR	46.85 LE 18 OCT	1968
1969	---	48.55 LE 10 MAI *	46.90 LE 24 MAR	1969
1970	---	48.37 LE 3 MAI	46.91 LE 12 AVR	1970
1971	---	48.03 LE 8 MAI	46.79 LE 15 AVR	1971
1972	---	48.23 LE 9 MAI	46.85 LE 13 AVR	1972
1973	---	48.12 LE 25 AVR	46.80 LE 3 OCT	1973
1974	---	48.54 LE 14 MAI	46.80 LE 8 DEC	1974
1975	---	48.02 LE 18 JUN	46.81 LE 18 FEV	1975
1976	---	48.11 LE 24 AVR	46.88 LE 21 MAR	1976
1977	---	47.78 LE 19 JUL	46.88 LE 28 MAR	1977
1978	---	47.85 LE 12 JAN	46.84 LE 10 AVR *	1978
1979	---	---	---	1979
1980	---	47.78 LE 12 AVR	46.78 LE 26 MAR	1980
1981	---	47.78 LE 13 MAI	46.78 LE 28 MAR	1981
1982	---	47.78 LE 6 NOV	46.82 LE 17 AVR	1982
1983	---	47.80 LE 3 MAI	46.80 LE 19 MAR	1983
1984	---	47.71R LE 14 NOV	46.80 LE 2 AVR	1984
1985	---	47.70 LE 15 JUL	46.89 LE 14 AVR	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 111.227 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

POHENEGAMOOK (LAC) A ESTCOURT - STATION NO. 01AD014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	---	---	---	---	---	---	---	44.38	44.39	44.38	44.47	---	---	1968
1969	---	---	---	---	---	44.71	44.44	44.61	44.78	44.61	45.02	---	---	1969
1970	---	---	---	---	---	44.85	44.48	44.35	44.58	44.83	44.75	---	---	1970
1971	---	---	---	---	45.88	44.63	44.43	44.59	45.01	44.65	44.63	---	---	1971
1972	---	---	---	---	45.93	44.89	44.65	44.47	44.65	44.80	44.77	---	---	1972
1973	---	---	---	---	45.84	44.83	---	---	---	---	---	---	---	1973
1974	---	---	---	---	---	---	---	---	---	44.54	44.61	---	---	1974
1975	---	---	---	---	---	---	---	44.42	44.55	44.47	44.64	---	---	1975
1976	---	---	---	---	45.70	44.70	44.61	44.80	44.88	45.10	44.90	---	---	1976
1977	---	---	---	---	45.61	44.89	44.51	44.41	44.42	44.82	44.88	---	---	1977
1978	---	---	---	---	45.88	44.82	44.37	44.27	44.25	44.29	---	---	---	1978
1979	---	---	---	---	45.45	45.02	44.64	44.39	44.72	44.84	44.86	---	---	1979
1980	---	---	---	---	45.07	44.81	44.58	44.64	44.78	44.88	44.83	---	---	1980
1981	---	---	44.88	45.48	45.39	44.75	44.64	45.21	44.48	44.83	44.83	---	---	1981
MOYEN	---	---	44.88	45.48	45.64	44.78	44.51	44.54	44.60	44.69	44.71	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 162.388 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 47 27 36
LONG 69 13 32

BASSIN VERSANT, 389 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

POVUNGNITUK (LAC DE) - STATION NO. 03GD002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1975	---	---	---	---	---	---	---	---	---	28.88	28.77	28.83	---	1975
1976	---	28.86	---	---	---	---	---	---	---	---	---	---	---	1976
MOYEN	---	28.86	---	---	---	---	---	---	---	28.88	28.77	28.83	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 60 05 20
LONG 78 58 20

BASSIN VERSANT, 28 000 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

PRAIRIES (RIVIERE DES) A AHUNTSIC - STATION NO. 020A005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	17.12	17.11	16.97	17.02	17.11	17.08	17.07	17.05	17.07	---	---	---	---	1984
MOYEN	17.12	17.11	16.97	17.02	17.11	17.08	17.07	17.05	17.07	---	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 33 25
LONG 73 40 34

REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

PRAIRIES (RIVIERE DES) A CARTIERVILLE - STATION NO. 020A002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1916	---	---	---	2.72	3.37	2.88	1.62	0.83	0.82	0.85	1.39	1.85	---	1916
1917	1.61	1.85	1.49	3.33	2.71	2.60	2.11	1.83	1.11	1.00	1.24	1.24	1.75	1917
1918	1.61	1.86	2.02	2.51	2.37	1.91	1.71	1.08	1.11	1.83	2.08	1.84	1.82	1918
1919	1.75	1.23	1.45	2.80	3.41	2.72	1.43	0.89	0.85	1.39	1.79	1.89	1.78	1919
1920	1.86	1.82	1.88	2.23	2.26	1.58	1.32	1.00	0.75	0.81	0.87	1.00	1.38	1920
1921	1.11	0.91	1.75	2.72	2.89	1.48	0.83	0.88	0.38	0.88	0.88	1.20	1.28	1921
1922	1.38	1.21	1.25	2.85	2.87	1.80	1.27	0.88	0.77	0.87	0.88	0.88	1.36	1922
1923	1.14	1.32	1.23	1.85	3.28	2.25	1.40	0.94	1.03	0.80	0.87	1.24	1.45	1923
1924	1.287	1.321	1.183	2.284	3.171	2.405	1.802	1.103	1.014	1.243	1.084	1.473	1.583	1924
1925	1.878	1.822	1.787	2.587	2.477	2.248	1.795	1.380	0.819	0.885	1.285	1.338	1.848	1925
1926	1.287	1.207	0.936	1.842	2.871	2.487	1.836	1.238	0.893	0.898	1.730	1.745	1.585	1926
1927	1.512	1.283	1.882	1.814	2.084	2.186	1.898	1.681	1.144	1.255	1.900	1.915	1.707	1927
1928	1.338	1.338	1.272	2.848	3.782	2.789	2.113	1.885	1.888	2.348	2.488	1.972	2.143	1928
1929	1.895	1.384	1.775	2.918	3.538	2.378	1.838	1.218	0.892	0.896	1.363	1.884	1.882	1929
1930	2.824	2.884	2.182	2.188	2.335	2.338	2.208	1.508	1.382	1.332	1.285	1.443	1.834	1930
1931	1.774	1.787	1.880	1.802	1.815	1.844	1.283	1.212	1.270	1.281	1.408	1.778	1.567	1931
1932	2.008	2.324	2.037	2.840	2.213	1.770	1.850	1.814	2.017	2.189	2.584	2.587	2.145	1932
1933	2.271	2.378	2.187	3.188	2.870	1.978	1.522	1.450	1.100	1.183	1.071	1.415	1.888	1933
1934	1.880	2.143	1.880	2.888	3.123	2.183	1.835	1.287	1.285	1.384	1.353	1.928	1.907	1934
1935	2.328	2.181	2.407	2.348	1.988	1.859	1.788	1.433	1.505	1.489	1.550	1.528	1.847	1935
1936	2.010	2.331	2.583	2.505	3.383	2.482	1.538	1.308	1.337	1.518	1.848	2.057	2.072	1936
1937	2.571	2.514	2.381	2.582	2.788	1.838	1.383	1.335	1.228	1.415	1.887	2.303	2.024	1937
1938	2.591	2.802	2.784	3.182	2.851	2.005	1.470	1.363	1.418	1.504	1.385	1.447	2.041	1938
1939	2.012	2.467	2.347	2.536	3.047	2.305	1.815	1.878	1.378	1.417	1.472	1.888	2.026	1939
1940	2.582	2.315	2.084	2.444	2.408	2.828	1.807	1.304	1.311	1.287	1.454	2.010	1.853	1940
1941	2.435	2.381	2.118	2.571	2.144	1.874	1.488	1.488	1.548	1.801	2.205	2.488	2.012	1941
1942	2.753	2.753	2.587	2.881	2.442	2.088	1.848	1.586	1.588	1.518	1.578	2.315	2.122	1942
1943	1.888	2.272	2.432	2.877	3.498	2.782	2.023	1.787	1.795	1.888	1.887	1.910	2.226	1943
1944	2.749	2.380	2.182	2.078	2.233	1.738	1.805	1.488	1.518	1.583	1.558	2.057	1.831	1944
1945	2.288	2.304	2.488	2.548	2.517	2.438	1.837	1.535	1.578	1.880	1.884	2.137	2.057	1945
1946	2.552	2.653	2.788	2.224	2.012	2.058	1.500	1.448	1.488	1.481	1.837	2.853	2.051	1946
1947	3.088	2.812	2.822	3.230	3.827	3.741	2.431	1.783	1.828	1.870	1.988	1.803	2.508	1947
1948	2.488	2.385	2.824	2.483	2.258	1.800	1.588	1.558	1.528	1.800	1.528	1.581	1.838	1948
1949	2.139	2.848	2.410	2.814	2.518	1.838	1.819	1.554	1.534	1.488	1.578	1.784	2.017	1949
1950	2.382	2.807	2.882	2.818	2.322	1.887	1.778	1.584	1.883	1.845	1.884	2.148	2.120	1950
1951	2.788	2.880	3.108	3.781	2.808	1.882	1.844	1.742	1.578	2.087	2.582	2.488	2.451	1951
1952	2.871	2.808	2.477	3.288	2.913	2.850	2.018	1.840	1.748	1.770	1.713	2.184	2.348	1952
1953	2.184	2.082	2.385	3.138	2.832	2.181	1.788	1.553	1.527	1.430	1.432	1.420	1.978	1953
1954	1.853	2.035	2.078	2.908	2.388	2.217	1.878	1.884	1.800	2.333	2.588	2.287	2.148	1954
1955	2.087	2.021	2.214	2.247	2.273	1.788	1.808	1.488	1.478	1.871	2.035	1.732	1.858	1955
1956	2.803	2.574	2.880	2.780	2.582	2.294	1.948	1.878	2.053	2.105	1.847	2.137	2.287	1956
1957	2.742	2.805	2.847	2.078	2.070	1.823	2.388	1.788	1.784	1.835	2.211	2.288	2.184	1957
1958	2.080	2.528	2.820	2.887	1.982	1.882	1.441	1.588	1.803	1.880	1.823	2.352	2.088	1958
1959	2.720	2.618	2.481	2.788	2.388	1.948	1.883	1.848	1.732	1.840	2.180	2.388	2.198	1959
1960	3.280	2.830	2.788	3.388	3.423	2.212	2.378	1.880	1.788	1.740	1.877	1.848	2.432	1960
1961	2.581	2.522	2.203	2.280	2.280	1.886	1.818	1.800	1.788	1.808	1.728	1.885	2.070	1961
1962	2.748	2.888	2.418	2.703	2.488	1.811	1.581	1.584	1.502	1.825	1.875	1.741	2.041	1962
1963	2.030	2.212	2.178	2.835	2.212	1.888	1.574	1.488	1.517	1.808	1.788	1.854	1.818	1963
1964	2.188	2.088	2.182	2.234	2.108	1.817	1.732	1.504	1.448	1.438	1.804	2.028	1.887	1964
1965	2.412	2.380	2.102	2.108	2.380	1.874	1.830	1.708	1.828	2.478	2.324	1.838	2.093	1965
1966	2.200	2.828	2.445	2.477	2.380	2.114	1.888	1.791	1.881	1.778	2.014	2.887	2.187	1966
1967	1.838	2.088	2.052	2.901	2.840	2.583	2.180	1.875	1.888	2.188	2.850	2.288	2.288	1967
1968	3.008	3.121	3.087	2.772	3.020	1.880	1.882	1.728	1.878	1.702	1.800	1.808	2.188	1968
1969	2.787	2.282	2.228	2.801	2.800	2.278	2.007	1.783	1.878	1.782	2.182	2.148	2.210	1969
1970	2.147	2.377	2.228	2.548	2.703	2.567	2.070	1.928	1.753	1.898	1.874	1.888	2.177	1970
1971	2.588	2.884	2.711	2.888	2.783	1.882	1.888	1.845	1.831	1.887	1.805	1.583	2.128	1971
1972	2.188	2.131	2.188	2.772	3.234	2.388	2.388	2.188	2.120	2.024	2.373	2.123	2.343	1972
1973	2.572	2.942	3.045	2.810	2.880	2.843	2.258	2.008	1.850	2.008	1.848	1.841	2.387	1973
1974	2.214	2.898	2.843	3.011	3.724	3.104	2.393	1.988	1.828	1.884	2.008	2.031	2.481	1974
1975	1.820	1.745	2.105	2.598	2.888	2.288	1.788	1.887	1.844	1.730	1.785	1.840	1.872	1975
1976	2.435	2.453	2.552	3.430	2.870	2.308	2.182	1.988	1.888	1.915	1.888	2.188	2.337	1976
1977	---	---	---	2.872	2.344	1.788	1.773	1.881	1.734	2.010	2.058	2.053	---	1977
1978	3.284	3.638	2.908	2.841	2.713	2.078	1.823	1.733	1.888	1.837	1.788	1.881	2.348	1978
1979	2.414	2.588	2.888	3.080	3.338	2.337	2.008	1.820	1.832	2.182	2.381	2.534	2.443	1979
1980	2.378	2.328	2.378	2.880	2.578	2.008	1.935	1.848	1.888	2.303	2.327	2.208	2.281	1980
1981	2.813	2.671	2.888	3.141	2.808	2.500	1.981	1.828	2.088	2.137	2.248	2.014	2.378	1981
1982	2.284	2.483	2.280	2.730	2.378	1.871	1.772	1.881	1.881	1.784	2.028	2.288	2.105	1982
1983	2.185	2.212	2.858	3.152	3.328	2.858	1.851	1.884	1.810	1.888	1.723	2.188	2.261	1983
1984	2.821	2.421	2.188	3.022	2.908	2.392	---	---	---	---	---	---	---	1984
1987	---	---	3.322	2.888	1.921	1.888	1.778	1.621	1.581	1.885	1.888	2.087	---	1987
MOYEN	2.321	2.280	2.242	2.888	2.873	2.178	1.785	1.889	1.802	1.808	1.783	1.924	2.034	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 15.882 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 32 02
LONG 73 43 48 REGULARISE

PRAIRIES (RIVIERE DES) A CARTIERVILLE - STATION NO. 020A002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1916	---	3.84 LE 20 MAI	0.80 LE 12 OCT	1916
1917	---	2.88 LE 7 MAI	0.78 LE 27 NOV	1917
1918	---	3.10 LE 6 AVR	0.81 LE 30 AOU	1918
1919	---	3.74 LE 28 MAI	0.72 LE 8 SEP	1919
1920	---	2.82 LE 1 MAI	0.47 LE 20 OCT	1920
1921	---	3.10 LE 7 MAI	0.23 LE 21 SEP *	1921
1922	---	3.02 LE 21 AVR	0.35 LE 6 DEC	1922
1923	---	3.62 LE 10 MAI	0.67 LE 23 OCT	1923
1924	---	3.468 LE 19 MAI	0.774 LE 8 SEP	1924
1925	---	2.786 LE 31 MAR	0.713 LE 10 SEP	1925
1926	---	3.038 LE 20 MAI	0.713 LE 16 OCT	1926
1927	---	2.603 LE 23 NOV	1.012 LE 26 SEP	1927
1928	---	4.086 LE 14 MAI	0.826 LE 21 JAN	1928
1929	---	3.619 LE 10 MAI	0.885 LE 21 OCT	1929
1930	---	2.667 LE 5 FEV	1.198 LE 27 OCT	1930
1931	---	2.234 LE 29 AVR	0.884 LE 29 JUL	1931
1932	---	3.288 LE 18 DEC	1.487 LE 5 JUL	1932
1933	---	3.539 LE 23 AVR	0.710 LE 19 SEP	1933
1934	---	3.587 LE 14 AVR	1.149 LE 3 SEP	1934
1935	---	3.318 LE 17 AVR	1.207 LE 17 DEC	1935
1936	---	3.820 LE 20 MAI	1.218 LE 2 SEP	1936
1937	---	3.188 LE 9 MAI	1.118 LE 8 SEP	1937
1938	---	3.853 LE 28 MAR	1.084 LE 26 DEC	1938
1939	---	3.360 LE 13 MAI	1.292 LE 3 OCT	1939
1940	---	2.978 LE 5 JUN	1.148 LE 25 OCT	1940
1941	---	3.343 LE 28 AVR	1.182 LE 12 AOU	1941
1942	---	3.038 LE 28 AVR	1.374 LE 21 OCT	1942
1943	---	4.184 LE 14 MAI	1.402 LE 1 DEC	1943
1944	---	3.281 LE 17 JAN	1.371 LE 8 SEP	1944
1945	---	3.273 LE 3 AVR	1.326 LE 29 NOV	1945
1946	---	4.443 LE 24 DEC *	1.231 LE 3 SEP	1946
1947	---	4.083 LE 26 MAI	1.310 LE 5 DEC	1947
1948	---	3.407 LE 22 MAR	1.207 LE 16 DEC	1948
1949	---	3.234 LE 2 AVR	1.420 LE 22 OCT	1949
1950	---	3.589 LE 6 AVR	1.527 LE 7 AOU	1950
1951	---	4.262 LE 18 AVR	1.548 LE 15 SEP	1951
1952	---	3.879 LE 8 AVR	1.530 LE 18 NOV	1952
1953	---	3.564 LE 31 MAR	1.387 LE 26 DEC	1953
1954	---	3.343 LE 19 AVR	1.402 LE 1 JAN	1954
1955	---	3.863 LE 21 AVR	1.347 LE 14 DEC	1955
1956	---	3.603 LE 6 AVR	1.483 LE 4 NOV	1956
1957	---	2.888 LE 5 JAN	1.585 LE 3 SEP	1957
1958	---	2.631 LE 28 FEV	1.594 LE 20 JAN	1958
1959	---	4.395 LE 31 DEC	1.818 LE 2 AOU	1959
1960	---	4.081 LE 1 JAN	1.187 LE 12 DEC	1960
1961	---	2.740 LE 1 FEV	1.682 LE 23 OCT	1961
1962	---	2.890 LE 15 AVR	1.385 LE 27 SEP	1962
1963	---	3.313 LE 5 AVR	1.374 LE 26 JUL	1963
1964	---	2.722 LE 12 MAR	1.178 LE 2 DEC	1964
1965	---	2.655 LE 25 OCT	1.476 LE 12 DEC	1965
1966	---	3.011 LE 16 DEC	1.472 LE 12 JAN	1966
1967	---	3.258 LE 26 AVR	1.765 LE 12 SEP	1967
1968	---	3.859 LE 24 MAR	1.420 LE 26 NOV	1968
1969	---	3.087 LE 20 AVR	1.648 LE 9 SEP	1969
1970	---	3.038 LE 24 AVR	1.673 LE 10 DEC	1970
1971	---	3.587 LE 21 AVR	1.213 LE 6 DEC	1971
1972	---	3.708 LE 7 MAI	1.647 LE 5 DEC	1972
1973	---	3.848A LE 19 MAR	1.350 LE 21 NOV	1973
1974	4.124 LE 22 MAI A 0202 HNE *	4.116 LE 22 MAI	1.512 LE 9 JAN	1974
1975	3.839 LE 21 AVR A 2011 HNE	3.496 LE 21 AVR	1.380A LE 13 DEC	1975
1976	---	4.078 LE 6 AVR	1.382 LE 26 NOV	1976
1977	---	---	1.226 LE 11 DEC	1977
1978	---	3.958 LE 31 JAN	1.536 LE 2 DEC	1978
1979	---	3.810 LE 5 MAI	1.256 LE 13 AOU	1979
1980	---	3.284 LE 12 AVR	1.771 LE 26 AOU	1980
1981	---	3.798 LE 28 FEV	1.858 LE 26 AOU	1981
1982	---	3.186 LE 23 AVR	1.947 LE 27 JUL	1982
1983	---	3.777 LE 14 MAI	0.707 LE 4 NOV	1983
1984	---	3.398 LE 6 AVR	2.022 LE 20 MAR	1984
1987	3.280 LE 3 AVR A 1925 HNE	3.230 LE 3 AVR	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 15.882 m POUR OBTENIR LES COTES GEODESIQUES

A - JAUGE MANUELLE
(VOIR INDEX DE REFRENCE)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) A DUVERNAY EST - STATION NO. 020A020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	---	---	0.363	0.143	0.288	0.473	0.994	0.814	0.728	---	1965
1966	1.100	1.115	0.930	0.930	0.810	0.684	0.288	0.387	0.285	0.332	0.565	1.178	0.711	1966
1967	0.835	1.047	0.883	1.333	1.186	0.831	0.633	0.365	0.345	0.826	1.144	0.824	0.811	1967
1968	1.239	1.081	0.838	1.148	0.908	0.413	0.828	0.338	0.303	0.268	0.288	1.087	0.689	1968
1969	1.031	0.853	0.858	1.142	1.188	0.769	0.818	0.478	0.248	0.287	0.894	0.852	0.709	1969
1970	1.288	0.987	0.731	0.940	1.134	0.823	0.780	0.582	0.323	0.410	0.534	0.884	0.783	1970
1971	1.218	1.257	1.028	1.247	1.190	0.804	0.195	0.151	0.180	0.113	0.116	0.448	0.832	1971
1972	0.804	0.537	0.843	1.078	1.552	0.884	0.878	0.741	0.648	0.889	0.917	0.786	0.809	1972
1973	0.783	0.922	1.295	1.407	1.288	0.888	0.809	0.586	0.445	0.564	0.542	0.853	0.856	1973
1974	0.718	0.878	0.884	1.381	1.858	1.394	0.822	0.606	0.345	0.378	0.674	0.737	0.870	1974
1975	0.873	1.007	0.885	0.886	1.003	0.704	0.285	0.082	0.087	0.191	0.308	0.548	0.539	1975
1976	0.982	0.885	1.085	1.849	1.331	0.732	0.841	0.481	0.345	0.398	0.342	0.828	0.814	1976
1977	0.815	0.780	0.911	1.241	0.741	0.222	0.248	0.121	0.178	0.482	0.520	0.700	0.577	1977
1978	1.034	1.258	0.784	1.148	1.034	0.470	0.238	0.158	0.044	0.282	0.281	0.278	0.578	1978
1979	0.488	0.448	0.738	1.304	1.528	0.743	0.430	0.386	0.417	0.884	0.882	0.977	0.748	1979
1980	0.883	0.528	0.880	1.131	0.918	0.367	0.432	0.484	0.388	0.728	0.758	0.678	0.884	1980
1981	0.874	1.070	1.040	1.383	0.859	0.878	0.448	0.308	0.588	0.584	0.705	0.438	0.788	1981
1982	0.500	0.522	0.418	1.041	0.720	0.371	0.248	0.084	0.034	0.148	0.488	0.804	0.443	1982
1983	0.795	0.758	0.810	0.979	1.524	0.881	0.298	0.172	0.048	0.185	0.483	0.582	0.828	1983
1984	0.858	0.881	0.844	1.384	0.938	0.815	0.847	0.451	0.354	0.258	0.580	0.888	0.898	1984
1985	0.882	0.788	0.858	1.117	1.182	0.411	0.347	0.451	0.203	0.220	0.318	0.588	0.808	1985
1986	0.884	1.023	0.887	1.124	0.888	0.883	0.400	0.433	0.435	0.888	0.581	0.847	0.894	1986
1987	8.893	8.780	8.802	8.117	8.378	8.358	8.218	8.012	7.947	8.058	8.288	8.802	8.435	1987
MOYEN	1.220	1.285	1.182	1.582	1.451	1.020	0.801	0.892	0.835	0.784	0.901	1.038	1.050	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 8.070 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 39 08
LONG 73 36 03 REGULARISE

PRAIRIES (RIVIERE DES) A DUVERNAY EST - STATION NO. 020A020

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	0.032 LE 26 JUL	1965
1966	---	1.728E LE 16 JAN	0.013 LE 28 SEP	1966
1967	---	2.858 LE 2 FEV	0.205 LE 4 SEP	1967
1968	---	2.049E LE 20 DEC	0.105 LE 8 OCT	1968
1969	---	1.473 LE 21 MAI	0.123 LE 8 SEP	1969
1970	---	1.580 LE 21 JAN	0.184 LE 9 SEP	1970
1971	---	1.838E LE 23 AVR	0.029 LE 7 SEP	1971
1972	---	1.948 LE 7 MAI	0.288 LE 29 JAN	1972
1973	---	1.946 LE 20 MAR	0.339 LE 14 NOV	1973
1974	---	2.247 LE 24 MAI	0.214 LE 1 OCT	1974
1975	1.708 LE 21 AVR A 2118 HNE	1.884 LE 26 AVR	-0.011E LE 17 AOU	1975
1976	2.880 LE 3 AVR A 0841 HNE	2.810 LE 3 AVR	0.172 LE 9 OCT	1976
1977	1.778 LE 18 MAR A 1115 HNE	1.574 LE 18 MAR	0.004 LE 18 SEP	1977
1978	---	1.582A LE 8 FEV	-0.048 LE 11 SEP	1978
1979	1.943 LE 7 MAI A 0127 HNE	1.908 LE 4 MAI	0.202 LE 31 JUL	1979
1980	1.597 LE 17 AVR A 1300 HNE	1.542A LE 16 AVR	0.182 LE 13 SEP	1980
1981	---	2.228 LE 27 FEV	0.138 LE 29 AOU	1981
1982	1.425 LE 22 AVR A 2325 HNE	1.401 LE 23 AVR	-0.078E LE 12 SEP *	1982
1983	1.881 LE 12 MAI A 1820 HNE	1.887 LE 13 MAI	-0.062 LE 18 SEP	1983
1984	1.892 LE 19 AVR A 1331 HNE	1.880 LE 19 AVR	0.178 LE 1 OCT	1984
1985	1.740 LE 1 MAI A 1125 HNE	1.888 LE 1 MAI	0.100 LE 23 SEP	1985
1986	1.402 LE 1 AVR A 0730 HNE	1.376 LE 26 MAI	0.283 LE 28 JUL	1986
1987	9.808 LE 3 AVR A 2200 HNE *	9.592 LE 3 AVR *	7.833 LE 21 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 8.070 m POUR OBTENIR LES COTES GEODESIQUES

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE)
E - ESTIMATIUE
* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) A L'ILE MANEU - STATION NO. 020A078

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	---	6.50	6.17	5.73	5.68	6.22	7.02	6.67	---	1967
1968	7.61	---	7.53	7.38	6.21	6.90	6.07	5.66	5.68	5.75	5.88	6.42	---	1968
1969	---	6.85	6.84	---	---	6.67	6.35	6.25	5.68	5.75	---	6.47	---	1969
1970	7.38	7.14	6.98	7.21	7.18	6.61	6.38	6.22	---	---	---	6.88	---	1970
1971	---	7.88	7.42	---	---	---	---	5.81	5.78	5.67	5.64	---	---	1971
1972	---	---	---	---	7.83	6.88	---	6.66	---	---	6.78	6.77	---	1972
1973	7.63	---	---	---	7.42	---	6.80	6.41	6.23	6.31	6.17	6.41	---	1973
1974	---	---	7.34	---	---	7.87	6.80	6.32	6.04	---	6.28	6.46	---	1974
1975	6.32	6.88	6.78	7.18	7.11	6.63	6.86	6.64	6.64	---	---	---	---	1975
MOYEN	7.23	7.14	7.12	7.28	7.17	6.66	6.34	6.11	5.88	5.84	6.28	6.55	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 40 51
LONG 73 32 53 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

PRAIRIES (RIVIERE DES) A PONT VIAU - STATION NO. 020A038

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	---	---	---	52.84	---	---	1984
1985	48.17	48.19	48.28	48.35	48.51	---	---	---	---	---	---	---	---	1985
1986	---	48.58	48.38	48.48	48.48	48.51	48.34	48.44	48.43	48.48	48.53	48.31	---	1986
1987	47.18	47.58	---	---	---	---	---	---	---	---	48.84	---	---	1987
1988	---	---	---	---	---	---	---	---	---	---	---	---	---	1988
1989	---	---	---	---	---	---	---	48.59	48.57	48.60	48.41	47.83	---	1989
					48.80	48.55	48.52	48.52	48.58	48.58	48.59	48.18	---	
1970	48.13	48.57	48.55	48.54	48.80	48.84	48.84	48.58	48.80	48.85	48.81	48.12	48.52	1970
1971	48.84	48.72	48.63	---	48.84	48.87	---	---	48.86	48.85	48.40	47.98	---	1971
1972	48.42	48.51	48.52	48.52	48.82	48.80	48.81	48.83	48.88	48.80	48.81	---	---	1972
1973	48.80	48.98	48.77	48.87	48.84	48.87	48.81	48.82	48.84	48.88	48.00	---	---	1973
1974	---	48.82	48.82	48.59	48.53	---	---	---	---	48.88	47.92	48.05	---	1974
1975	47.80	47.83	48.34	48.48	48.82	48.80	48.87	48.85	48.88	48.88	---	48.14	---	1975
1976	---	48.88	---	---	---	---	---	---	---	48.84	---	---	---	1976
1977	---	---	---	48.84	---	---	---	---	48.88	---	---	48.23	---	1977
1978	48.83	48.94	48.82	48.72	48.81	48.88	48.85	48.87	---	---	---	48.80	---	1978
1979	48.53	48.88	48.85	48.84	48.80	---	---	---	---	---	---	---	---	1979
1980	---	---	---	---	---	---	---	---	---	48.82	---	---	---	1980
1981	---	---	---	48.87	---	48.88	---	---	---	---	---	48.84	---	1981
1982	48.80	48.75	---	---	---	---	---	---	---	---	---	---	---	1982
MOYEN	48.31	48.51	48.56	48.57	48.58	48.60	48.55	48.55	48.55	48.58	48.85	48.20	48.52	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER -31.550 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 33 31 BASSIN VERSANT, 145 000 km²
LONG 73 40 36 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

PRAIRIES (RIVIERE DES) A PONT VIAU - STATION NO. 020A038

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	---	---	1988
1989	---	---	---	1989
1970	---	48.71 LE 6 OCT *	47.86 LE 11 JAN *	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER -31.550 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) A ROXBORO - STATION NO. 020A019

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	---	---	---	1.178	1.584	0.758	0.133	0.525	0.849	---	---	---	---	1985
1986	---	---	1.803	1.728	1.474	1.227	0.592	0.587	0.584	---	---	---	---	1986
1987	1.228	1.707	---	---	---	---	1.191	0.849	0.590	1.010	1.825	1.381	---	1987
1988	2.887	2.813	2.548	2.118	1.019	0.848	0.921	0.638	0.583	0.588	0.649	0.873	1.338	1988
1989	2.303	1.844	1.814	2.026	2.134	1.382	0.924	0.781	0.631	0.815	1.251	0.992	1.384	1989
1970	1.703	2.331	2.031	1.880	2.026	1.477	1.343	1.033	0.828	0.841	1.028	1.218	1.486	1970
1971	2.485	2.885	2.482	2.558	2.080	1.004	0.817	0.411	0.428	0.439	0.483	0.828	1.380	1971
1972	2.047	1.703	1.824	2.239	2.941	1.588	1.545	1.302	1.155	1.208	1.588	1.705	1.713	1972
1973	2.448	2.554	2.728	2.417	2.238	1.795	1.409	1.020	0.834	1.023	0.882	1.154	1.710	1973
1974	1.895	2.328	1.885	2.384	3.263	2.418	1.434	0.884	0.705	0.747	1.088	1.157	1.881	1974
1975	0.852	0.958	1.159	1.788	1.784	1.282	0.588	0.332	0.381	0.552	0.718	1.238	0.874	1975
1976	2.328	3.440	2.854	3.152	2.412	1.408	1.120	0.837	0.884	0.772	0.898	1.821	1.878	1976
1977	2.147	2.088	2.822	2.255	1.488	0.874	0.545	0.372	0.452	0.922	0.984	1.385	1.314	1977
1978	2.871	3.041	2.179	2.238	1.804	0.885	0.570	0.434	0.322	0.889	1.313	1.734	1.510	1978
1979	2.345	2.438	2.541	2.408	2.730	1.434	0.884	0.884	0.778	1.187	1.532	1.787	1.720	1979
1980	1.848	2.089	2.069	2.152	1.724	0.884	0.780	0.734	0.748	1.308	1.378	1.873	1.448	1980
1981	2.741	2.784	2.138	2.488	1.792	1.820	0.811	0.832	1.035	1.085	1.288	1.188	1.834	1981
1982	2.058	2.311	2.063	2.172	1.445	0.807	0.588	0.380	0.340	0.482	0.838	1.374	1.237	1982
1983	1.347	1.570	1.800	1.800	2.851	1.784	0.808	0.410	0.300	0.458	0.771	1.413	1.225	1983
1984	2.578	2.310	1.834	2.488	1.889	1.500	1.185	0.777	0.888	0.821	1.098	1.284	1 491	1984
1985	2.533	2.430	2.527	2.128	2.147	0.885	0.738	0.885	0.584	0.817	0.773	0.885	1.480	1985
1986	2.248	2.509	2.077	2.089	1.715	1.333	0.888	0.878	0.903	1.154	1.203	1.502	1.534	1986
1987	1.875	1.990	1.875	1.944	0.775	0.752	0.535	0.288	0.222	0.328	0.885	1.083	1.004	1987
MOYEN	2.118	2.263	2.117	2.183	1.941	1.280	0.882	0.874	0.832	0.781	1.058	1.304	1.444	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 17.828 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1970)

LOCATION - LAT 45 30 58
LONG 73 48 49 REGULARISE

PRAIRIES (RIVIERE DES) A ROXBORO - STATION NO. 020A019

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	0.034E LE 19 JUL *	1965
1966	---	2.515 LE 27 AVR	0.177 LE 27 JUL	1966
1967	---	---	0.415 LE 28 AOU	1967
1968	---	3.128E LE 16 JAN	0.354E LE 5 SEP	1968
1969	---	2.578E LE 5 JAN	0.424E LE 15 SEP	1969
1970	---	2.807E LE 16 AVR	0.685 LE 7 SEP	1970
1971	---	3.222E LE 22 AVR	0.354E LE 7 AOU	1971
1972	---	3.271 LE 8 MAI	0.903 LE 28 SEP	1972
1973	---	3.561 LE 19 MAR	0.819 LE 22 NOV	1973
1974	---	3.798 LE 21 MAI	0.543 LE 22 AOU	1974
1975	---	3.003 LE 21 AVR	0.171E LE 16 AOU	1975
1976	---	4.204 LE 2 AVR	0.549 LE 16 NOV	1976
1977	---	3.920E LE 17 MAR	0.257 LE 16 SEP	1977
1978	---	3.469 LE 31 JAN	0.211 LE 11 SEP	1978
1979	---	3.350 LE 4 MAI	0.385 LE 13 AOU	1979
1980	---	2.900E LE 17 AVR	0.400E LE 25 AOU	1980
1981	---	4.250E LE 22 FEV *	0.490E LE 4 AOU	1981
1982	---	2.767 LE 19 JAN	0.272 LE 21 AOU	1982
1983	---	3.376E LE 13 MAI	0.195 LE 11 DEC	1983
1984	---	2.939 LE 19 AVR	0.440E LE 1 OCT	1984
1985	---	3.211 LE 8 FEV	0.418 LE 23 DEC	1985
1986	---	2.803 LE 8 FEV	0.877 LE 10 SEP	1986
1987	---	2.906 LE 28 MAR	0.103 LE 18 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 17.829 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1970)

E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) A SAINT-VINCENT DE PAUL - STATION NO. 020A075

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1964	---	48.07	---	48.14	48.01	47.83	47.63	47.42	47.33	47.42	47.44	47.78	---	1964
1965	47.88	47.97	47.78	47.86	48.24	47.72	47.52	47.68	47.89	48.38	48.18	48.10	47.94	1965
1966	48.48	48.51	48.34	48.34	48.18	---	47.86	47.73	47.59	47.86	47.90	48.53	---	1966
1967	48.18	48.37	48.53	48.72	48.64	48.27	48.00	47.88	47.87	48.04	48.53	48.20	48.30	1967
1968	48.58	48.43	48.32	48.53	47.83	47.75	47.87	47.86	47.80	47.55	47.58	48.35	48.00	1968
1969	48.28	48.14	48.01	---	48.58	48.09	47.87	47.82	47.57	47.60	48.03	48.07	---	1969
1970	48.38	48.67	48.31	48.43	48.51	48.17	48.12	47.94	---	47.74	47.87	---	---	1970
1971	48.50	48.49	48.31	48.54	48.52	47.82	47.52	47.47	47.45	47.42	47.42	47.71	47.93	1971
1972	47.98	47.87	47.98	48.43	48.90	48.19	48.22	48.10	47.99	48.01	48.25	47.87	48.18	1972
1973	47.88	48.09	---	48.75	48.88	---	48.31	48.05	47.85	47.91	47.91	48.05	---	1973
1974	48.21	48.12	---	48.81	48.31	48.78	48.20	47.86	47.88	47.87	47.94	48.01	---	1974
1975	47.83	48.38	48.07	---	---	---	---	---	47.35	47.57	---	47.81	---	1975
1976	---	48.23	---	48.18	48.88	---	---	47.78	---	47.88	47.82	47.89	---	1976
1977	47.88	47.87	48.28	48.88	48.08	47.85	47.80	47.44	---	---	---	---	---	1977
1978	---	---	48.20	48.44	---	47.78	47.88	47.48	47.38	47.80	---	---	---	1978
1979	---	---	---	---	---	48.10	47.78	47.71	47.78	47.87	48.17	---	---	1979
1980	---	---	---	48.88	48.28	47.73	47.78	47.80	47.85	---	---	---	---	1980
1981	---	48.42	48.44	48.73	---	---	---	---	---	---	48.00	47.71	---	1981
MOYEN	48.27	48.32	48.21	48.63	48.48	47.98	47.84	47.73	47.62	47.78	47.92	48.01	48.07	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER -38.038 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 38 43 BASSIN VERSANT, 148 000 km²
LONG 73 38 30 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

PRAIRIES (RIVIERE DES) A SAINT-VINCENT DE PAUL - STATION NO. 020A075

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1964	---	---	---	1964
1965	---	48.51 LE 25 OCT	47.25 LE 3 AOU	1965
1966	---	---	---	1966
1967	---	48.98 LE 2 FEV *	47.52 LE 15 SEP	1967
1968	---	48.48 LE 20 DEC	47.40 LE 15 OCT	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	48.28 LE 22 AVR	47.18 LE 8 SEP *	1971
1972	---	48.31 LE 9 MAI	47.75 LE 20 MAR	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER -38.038 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) A SAINTE-GENEVIEVE-DE-PIERREFONDS - STATION NO. 020A069

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	1.78	1.48	1.12	0.78	0.75	1.09	1.85	1.23	---	1967
1968	1.31	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	---	---	1.24	0.82	0.83	0.73	0.70	1.12	1.09	---	1969
1970	1.05	0.97	0.96	1.46	1.73	1.31	---	---	---	---	---	---	---	1970
1971	1.04	1.11	1.16	1.85	1.79	0.95	0.86	0.87	0.82	0.85	0.83	0.73	0.97	1971
1972	0.84	0.90	0.93	1.67	2.24	1.39	1.41	1.28	1.12	1.13	1.40	1.25	1.25	1972
1973	1.30	1.37	1.84	2.03	1.91	1.54	1.30	1.04	0.92	1.01	0.98	1.10	1.37	1973
1974	1.16	1.12	1.39	2.01	2.75	2.08	1.31	0.85	0.77	0.78	1.08	1.18	1.38	1974
1975	1.12	1.08	1.17	1.81	1.65	1.19	0.73	0.89	0.65	0.82	0.72	0.87	0.89	1975
1976	1.07	1.11	1.46	2.58	1.98	1.22	1.10	0.90	0.78	0.78	0.71	0.81	1.21	1976
1977	1.10	0.95	1.63	1.87	1.25	0.85	0.89	0.81	0.85	0.90	0.88	1.01	1.01	1977
1978	1.35	1.38	1.11	1.80	1.62	0.94	0.89	0.84	0.65	0.72	0.70	0.83	1.03	1978
1979	1.04	1.05	1.49	2.01	2.30	1.26	0.81	0.83	0.88	1.12	1.38	1.46	1.31	1979
MOYEN	1.13	1.11	1.31	1.88	1.90	1.27	0.99	0.84	0.76	0.85	1.02	1.07	1.17	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 28 47
LONG 73 52 28 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

PRAIRIES (RIVIERE DES) A SAINTE-GENEVIEVE-DE-PIERREFONDS - STATION NO. 020A069

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	---	---	1967
1968	---	1.80 LE 18 JAN	1.08 LE 3 JAN	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	2.69 LE 22 AVR	0.46 LE 7 SEP	1971
1972	---	2.76 LE 8 MAI	0.73 LE 2 JAN	1972
1973	---	2.77 LE 19 MAR	0.85 LE 8 SEP	1973
1974	---	3.24 LE 22 MAI	0.88 LE 25 SEP	1974
1975	---	2.53 LE 21 AVR	0.38 LE 9 SEP *	1975
1976	---	3.38 LE 4 AVR *	0.85 LE 25 NOV	1976
1977	---	2.60 LE 17 MAR	0.61 LE 17 SEP	1977
1978	---	2.28 LE 16 AVR	0.48 LE 10 SEP	1978
1979	---	2.84 LE 8 MAI	0.88 LE 30 JUL	1979

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) AU RAPIDE DU CHEVAL BLANC - STATION NO. 020A004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	47.02	47.39	---	---	1982
1983	---	47.72	47.84	48.03	48.78	48.07	47.18	46.89	46.80	47.05	---	47.88	---	1983
1984	48.20	47.98	47.82	48.58	47.89	47.84	---	---	47.24	47.17R	47.67R	47.70R	---	1984
1985	48.25	48.27	48.22	48.25	48.33	47.38	47.27	47.37	47.11	47.18R	47.28R	47.58R	47.70R	1985
1986	47.98	48.14	47.77	48.28	47.85	47.68	47.33	47.33	47.34	47.58R	47.81R	47.88R	47.71R	1986
1987	---	47.71	47.70	48.16	47.25	47.22	47.03	46.83	46.79	---	---	---	---	1987
MOYEN	48.14	47.98	47.87	48.28	48.08	47.83	47.20	47.13	47.08	47.18R	47.47R	47.85R	47.71R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER -27.622 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 31 05
LONG 73 50 33

BASSIN VERSANT, 148 000 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

PRAIRIES (RIVIERE DES) AU RAPIDE DU CHEVAL BLANC - STATION NO. 020A004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	48.12 LE 1 MAI *	46.97 LE 23 SEP *	1985
1986	---	48.61 LE 28 MAI	47.15 LE 11 SEP	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER -27.622 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

PRAIRIES (RIVIERE DES) AUX RAPIDES DU CHEVAL BLANC - STATION NO. 020A018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	1.307	1.811	1.034	0.788	0.683	1.107	1.718	1.502	1.380	---	1965
1966	1.662	1.880	1.712	1.743	1.527	1.330	0.931	0.878	0.892	0.884	1.204	1.883	1.385	1966
1967	1.410	1.887	1.421	2.252	2.041	1.882	1.325	0.880	0.925	1.302	1.902	1.469	1.528	1967
1968	2.445	2.519	2.269	2.041	1.180	1.080	1.112	0.924	0.885	0.890	0.818	1.131	1.444	1968
1969	2.435	1.872	1.811	1.984	2.082	1.450	1.130	1.058	0.888	0.905	1.314	1.288	1.506	1969
1970	1.818	2.082	1.728	1.784	2.003	1.553	1.404	1.175	0.846	1.028	1.154	1.446	1.518	1970
1971	2.214	2.734	2.447	2.371	2.084	1.111	0.883	0.809	0.812	0.844	0.790	1.145	1.419	1971
1972	2.184	2.084	2.011	2.131	2.529	1.688	1.505	1.353	1.280	1.332	1.605	1.886	1.774	1972
1973	2.172	2.245	2.484	2.309	2.187	1.784	1.478	1.188	1.075	1.220	1.205	1.333	1.718	1973
1974	1.858	2.089	1.852	2.258	3.094	2.332	1.484	1.105	0.858	1.018	1.328	1.344	1.722	1974
1975	1.312	1.318	1.338	1.848	1.782	1.373	0.875	0.677	0.721	0.855	0.988	1.449	1.208	1975
1976	2.889	2.848	2.961	2.987	2.270	1.439	1.323	1.117	1.004	1.040	1.005	2.080	1.840	1976
1977	2.858	2.852	2.878	2.155	1.474	0.887	0.815	0.808	0.840	1.135	1.195	1.574	1.594	1977
1978	2.573	2.880	1.880	2.104	1.882	1.189	0.927	0.824	0.728	0.961	0.951	1.274	1.447	1978
1979	2.088	2.484	2.378	2.282	2.592	1.457	1.097	0.912	1.044	1.328	1.586	1.925	1.748	1979
1980	1.728	1.814	1.813	2.073	1.891	1.085	1.084	1.092	1.051	1.428	1.474	1.715	1.503	1980
1981	2.838	2.774	1.951	2.381	1.747	1.807	1.123	0.848	1.222	1.267	1.387	1.238	1.578	1981
1982	2.033	2.881	2.124	2.023	1.488	1.083	0.823	0.743	0.737	0.854	1.181	1.472	1.425	1982
1983	1.488	1.538	1.578	1.748	2.522	1.770	0.819	0.806	0.734	0.870	1.128	1.498	1.382	1983
1984	2.254	1.981	1.703	2.378	1.894	1.538	1.308	1.087	1.001	0.918	1.288	1.389	1.538	1984
1985	2.215	2.442	2.158	2.017	2.037	1.114	1.083	1.147	0.909	0.852	1.058	1.384	1.538	1985
1986	1.978	2.177	1.738	2.013	1.895	1.389	1.057	1.070	1.090	1.281	1.304	1.458	1.616	1986
1987	1.566	1.720	1.848	1.905	1.017	0.892	0.822	0.649	0.812	0.728	0.948	1.338	1.158	1987
MOYEN	2.072	2.188	1.980	2.080	1.921	1.382	1.099	0.956	0.930	1.067	1.233	1.464	1.528	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 18.000 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 31 11
LONG 73 50 05 REGULARISE

PRAIRIES (RIVIERE DES) AUX RAPIDES DU CHEVAL BLANC - STATION NO. 020A018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	0.820 LE 2 AOU	1965
1966	---	2.647 LE 28 AVR	0.754 LE 2 AOU	1966
1967	---	2.589 LE 11 MAI	0.815 LE 4 SEP	1967
1968	---	2.651A LE 24 MAR	0.770E LE 2 SEP	1968
1969	2.772 LE 18 JAN A 1430 HNE	2.748 LE 18 JAN	0.778A LE 1 SEP	1969
1970	2.828 LE 18 AVR A 0230 HNE	2.501 LE 18 AVR	0.834 LE 8 SEP	1970
1971	3.132 LE 22 AVR A 1430 HNE	3.128 LE 21 AVR	0.382E LE 27 AOU *	1971
1972	3.181 LE 9 MAI A 1250 HNE	3.089 LE 9 MAI	1.084 LE 26 SEP	1972
1973	3.318 LE 19 MAR A 1710 HNE	3.257 LE 20 MAR	0.980 LE 9 SEP	1973
1974	---	3.595A LE 22 MAI	0.848 LE 25 SEP	1974
1975	2.894 LE 21 AVR A 2058 HNE	2.848 LE 21 AVR	0.532 LE 27 AOU	1975
1976	3.987 LE 4 AVR A 0740 HNE	3.949 LE 4 AVR	0.831 LE 15 NOV	1976
1977	4.077 LE 18 MAR A 2350 HNE *	4.037 LE 17 MAR	0.783A LE 11 AOU	1977
1978	3.543 LE 3 FEV A 0748 HNE	3.128 LE 3 FEV	0.480 LE 23 SEP	1978
1979	3.198 LE 4 MAI A 1451 HNE	3.188 LE 4 MAI	0.797A LE 1 AOU	1979
1980	2.772 LE 17 AVR A 1220 HNE	2.748 LE 17 AVR	0.825 LE 13 SEP	1980
1981	---	4.418A LE 22 FEV *	0.826 LE 25 AOU	1981
1982	3.028 LE 2 FEV A 2230 HNE	3.004 LE 2 FEV	0.837 LE 12 SEP	1982
1983	3.231 LE 13 MAI A 1350 HNE	3.212 LE 13 MAI	0.850 LE 16 SEP	1983
1984	---	---	0.840 LE 1 OCT	1984
1985	2.924 LE 9 FEV A 0350 HNE	2.871 LE 30 AVR	0.815 LE 22 SEP	1985
1986	3.586 LE 7 FEV A 1300 HNE	3.531 LE 7 FEV	0.880E LE 25 JUL	1986
1987	2.713 LE 28 MAR A 0740 HNE	2.668 LE 28 MAR	0.521 LE 20 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 18.000 m POUR OBTENIR LES COTES GEODESIQUES

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE)
E - ESTIMATIVE
* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

QUALLUVIARTUNG (LAC) - STATION NO. 03GD003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1975	---	---	---	---	---	---	---	---	---	28.27	28.25	---	---	1975
1976	---	---	---	---	---	---	28.34	---	---	28.28	28.24	---	---	1976
1977	---	---	---	---	---	---	---	---	28.27	28.25	28.23	---	---	1977
MOYEN	---	---	---	---	---	---	28.34	---	28.27	28.27	28.24	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 59 34 30
LONG 74 36 40

BASSIN VERSANT, 25.9 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

QUINZE (LAC DES) A ANGLIERS - STATION NO. 02JB017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	---	---	---	260.319	261.702	262.898	262.903	262.803	262.624	262.736	262.687	262.438	---	1987
MOYEN	---	---	---	260.319	261.702	262.898	262.903	262.803	262.624	262.736	262.687	262.438	---	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 33 07
LONG 78 14 06

REMARQUES - CEDEE A WRB-ONT DU DPW-QUE AVR 1987

QUINZE (LAC DES) A LA POINTE DU PIN ROUGE - STATION NO. 02JB011

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1922	262.88	262.47	261.62	261.09	263.16	262.94	262.36	262.31	261.23	260.38	261.06	261.79	261.83	1922
1923	261.73	260.78	259.67	259.80	262.46	263.28	263.03	262.02	262.35	262.49	261.97	261.88	261.79	1923
1924	261.82	261.70	261.06	260.15	262.03	263.20	263.15	262.63	262.64	263.15	262.87	262.80	262.27	1924
1925	262.29	261.80	260.47	260.85	262.77	263.28	263.25	263.29	263.11	---	262.67	263.10	---	1925
1926	262.87	262.34	261.27	259.93	261.57	263.05	263.31	263.11	262.27	261.85	261.78	262.75	262.16	1926
1927	262.82	261.84	260.34	260.70	262.55	263.31	263.33	263.28	262.73	262.60	262.77	262.93	262.41	1927
1928	262.86	261.69	260.74	260.57	---	263.30	263.32	263.10	263.20	263.27	263.15	262.87	---	1928
1929	261.83	261.15	260.13	260.37	262.62	263.29	263.29	262.74	262.15	262.45	262.59	262.09	262.06	1929
1930	261.52	260.70	259.88	260.07	262.84	263.33	263.30	263.20	263.24	263.08	262.89	262.40	262.21	1930
1931	261.83	261.31	260.37	260.31	---	263.26	262.87	262.02	261.87	262.27	262.92	263.20	---	1931
1932	263.26	262.56	260.81	260.71	262.87	263.30	263.33	263.28	262.88	263.33	---	262.61	---	1932
1933	262.87	262.27	---	261.18	263.04	263.12	262.81	262.26	---	261.75	262.14	262.27	---	1933
1934	261.94	261.38	260.83	260.31	262.62	263.21	262.99	262.43	261.98	261.75	262.31	263.24	262.07	1934
1935	263.07	262.47	260.82	260.28	---	263.32	263.19	262.85	261.82	262.10	262.75	263.08	---	1935
1936	262.85	261.86	260.85	260.34	262.67	263.26	263.21	262.86	262.01	262.27	262.90	263.08	262.34	1936
1937	263.03	262.09	260.40	260.51	262.86	263.24	263.04	262.67	262.40	262.84	263.10	263.08	262.45	1937
1938	262.85	261.52	260.47	261.31	262.82	263.17	262.76	262.61	262.75	262.73	262.75	262.52	262.35	1938
1939	262.25	261.83	260.49	260.08	262.29	262.41	262.31	262.14	261.86	261.75	262.07	262.00	261.78	1939
1940	261.89	261.86	260.85	260.01	262.11	263.16	263.11	262.95	263.24	263.15	263.14	---	---	1940
1941	262.85	261.85	260.98	261.01	262.88	262.77	263.24	263.21	263.21	263.21	263.21	263.23	262.95	1941
1942	263.16	261.93	260.82	260.93	262.69	263.15	262.95	262.38	261.96	261.84	262.28	262.72	262.25	1942
1943	262.80	262.13	260.74	260.86	262.51	263.16	263.17	263.21	263.21	263.24	263.20	263.10	262.80	1943
1944	262.09	261.42	260.24	260.24	262.40	263.27	263.02	262.72	262.36	262.43	262.75	262.72	262.14	1944
1945	261.82	261.00	260.40	262.56	263.23	263.16	263.11	262.63	262.04	262.12	262.87	263.12	262.35	1945
1946	262.55	261.40	260.78	261.50	262.88	263.02	262.85	262.87	262.86	262.40	262.37	262.87	262.36	1946
1947	262.55	261.69	260.43	260.70	263.10	263.44	263.25	262.94	262.22	262.19	261.73	261.27	262.13	1947
1948	260.74	260.34	260.04	260.58	262.54	263.26	---	---	---	---	---	---	---	1948
1949	---	260.84	260.29	261.17	262.95	263.23	263.27	263.16	263.08	262.98	262.80	262.42	---	1949
1950	261.80	261.48	260.66	260.64	262.98	263.31	263.30	263.08	262.67	262.35	262.43	262.34	262.27	1950
1951	261.80	261.38	260.75	261.47	262.97	263.04	263.29	263.23	262.86	263.18	263.16	---	---	1951
1952	262.59	261.61	260.88	261.14	263.26	263.33	263.19	263.26	263.16	262.84	262.12	262.62	262.52	1952
1953	262.87	261.71	261.19	262.84	263.23	263.00	262.46	262.03	262.06	262.04	261.41	261.05	262.17	1953
1954	260.86	260.64	260.57	260.89	262.71	263.28	263.32	263.21	262.97	263.26	263.34	263.26	262.37	1954
1955	262.63	261.77	261.42	261.23	263.01	262.21	262.23	261.91	261.48	262.31	263.22	262.77	262.19	1955
1956	262.16	262.17	261.48	260.64	262.54	263.30	263.33	263.25	263.35	263.29	262.93	262.85	262.61	1956
1957	262.76	262.56	261.88	260.93	263.07	262.80	263.31	263.12	262.95	263.14	263.26	263.30	262.77	1957
1958	263.23	262.84	261.64	260.83	262.04	262.59	262.48	262.07	262.15	262.47	263.15	262.72	262.36	1958
1959	262.51	261.85	261.26	260.98	263.06	263.24	262.51	261.62	262.03	262.86	263.26	263.24	262.36	1959
1960	263.18	262.54	261.53	260.87	263.30	263.38	263.26	263.27	262.87	262.18	261.89	262.58	262.58	1960
1961	262.58	262.08	261.43	261.00	262.23	262.54	262.45	261.74	261.93	263.14	263.12	262.84	262.27	1961
1962	262.89	262.15	261.35	261.24	263.12	263.01	262.08	261.45	261.23	260.87	260.57	260.48	261.72	1962
1963	260.28	260.44	260.41	260.80	261.90	262.08	262.36	262.55	262.93	262.70	262.56	262.62	261.80	1963
1964	261.83	261.11	260.49	261.04	263.17	263.31	263.13	262.54	262.48	262.71	262.87	262.48	262.25	1964
1965	262.13	261.48	260.88	260.40	262.42	263.16	262.85	262.89	263.15	262.83	263.15	263.10	262.36	1965
1966	262.70	261.86	260.82	260.89	262.70	263.22	262.83	263.14	262.76	262.85	263.05	263.42	262.60	1966
1967	262.80	261.50	261.58	261.09	262.59	263.19	263.12	262.75	262.86	262.89	263.22	262.85	262.53	1967
1968	261.98	261.22	260.53	261.42	262.58	262.88	263.18	262.97	262.89	262.86	262.48	262.10	262.23	1968
1969	261.92	261.88	261.08	261.18	263.02	263.34	263.25	263.15	262.95	262.87	263.47	263.29	262.81	1969
1970	262.29	261.50	260.81	260.82	262.93	263.53	263.48	263.22	262.78	263.05	263.20	262.88	262.63	1970
1971	262.24	261.48	260.87	260.82	262.63	262.93	262.68	262.70	262.37	262.46	262.76	263.05	262.30	1971
1972	262.82	262.04	261.28	260.82	262.46	263.26	263.20	262.80	263.01	263.27	263.42	263.09	262.64	1972
1973	262.85	261.98	261.40	262.18	263.38	263.29	263.11	263.10	263.43	263.30	263.00	262.45	262.78	1973
1974	261.91	261.58	261.04	261.08	263.18	263.28	263.36	263.25	262.81	263.34	263.48	263.18	262.83	1974
1975	262.61	261.74	261.04	260.84	262.95	263.46	263.16	262.84	262.82	262.78	262.75	262.71	262.46	1975
1976	262.18	261.62	261.08	262.29	263.32	263.49	263.39	263.18	263.14	263.22	263.22	262.82	262.74	1976
1977	262.22	261.85	261.18	261.58	263.20	263.16	263.26	263.00	262.83	262.81	263.40	263.26	262.84	1977
1978	262.74	261.98	261.08	260.71	262.47	263.31	263.06	262.80	262.78	263.34	263.30	262.88	262.52	1978
1979	262.40	262.02	261.34	261.30	263.20	263.54	263.38	---	---	---	263.38	263.14	---	1979
1980	262.38	261.25	260.98	261.69	263.08	262.94	263.02	263.10	263.03	263.41	263.32	---	---	1980
1987	---	---	---	260.904	261.720	262.897	262.902	262.805	262.632	262.750	262.704	262.481	---	1987
MOYEN	262.35	261.67	260.85	260.905	262.758	263.135	263.038	262.770	262.587	262.841	262.750	262.893	262.34	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 34 18 BASSIN VERSANT, 23 400 km²
LONG 78 10 33 REGULARISE

REMARQUES - CEDEE A WRB-ONT DU DPW-QUE AVR 1987

QUINZE (LAC DES) A LA POINTE DU PIN ROUGE - STATION NO. 02JB011

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1922	---	283.33 LE 28 MAI	280.19 LE 16 OCT	1922
1923	---	283.33 LE 3 JUN	259.89 LE 7 AVR *	1923
1924	---	283.32 LE 14 JUN	280.02 LE 17 AVR	1924
1925	---	---	---	1925
1926	---	283.35 LE 12 JUL	259.77 LE 17 AVR	1926
1927	---	283.36 LE 26 JUL	259.98 LE 13 MAR	1927
1928	---	---	---	1928
1929	---	283.41 LE 8 JUL	259.84 LE 30 MAR	1929
1930	---	283.53 LE 30 JUN	259.80 LE 8 AVR	1930
1931	---	---	---	1931
1932	---	---	---	1932
1933	---	---	---	1933
1934	---	283.34 LE 13 JUN	280.02 LE 11 AVR	1934
1935	---	---	---	1935
1936	---	283.33 LE 29 MAI	280.19 LE 14 AVR	1936
1937	---	283.32 LE 11 JUN	280.03 LE 5 AVR	1937
1938	---	283.35 LE 23 MAI	280.25 LE 22 MAR	1938
1939	---	282.74 LE 2 JUN	259.93 LE 16 AVR	1939
1940	---	---	---	1940
1941	---	283.35 LE 20 JUL	280.28 LE 12 AVR	1941
1942	---	283.33 LE 3 JAN	280.45 LE 5 AVR	1942
1943	---	283.34 LE 13 SEP	280.21 LE 1 AVR	1943
1944	---	283.32 LE 3 JUN	259.96 LE 5 AVR	1944
1945	---	283.36 LE 30 MAI	280.23 LE 21 MAR	1945
1946	---	283.20 LE 20 MAI	280.56 LE 16 MAR	1946
1947	---	283.66 LE 28 MAI *	280.19 LE 3 AVR	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	283.38 LE 8 JUL	280.27 LE 8 AVR	1950
1951	---	---	---	1951
1952	---	283.44 LE 17 MAI	280.47 LE 4 AVR	1952
1953	---	283.26 LE 11 MAI	280.83 LE 31 DEC	1953
1954	---	283.38 LE 28 JUN	280.36 LE 10 AVR	1954
1955	---	283.32 LE 5 NOV	280.09 LE 31 MAR	1955
1956	---	283.48 LE 16 JUL	280.36 LE 11 AVR	1956
1957	---	283.40 LE 7 JUL	280.45 LE 18 AVR	1957
1958	---	283.36 LE 4 JAN	280.40 LE 8 AVR	1958
1959	---	283.38 LE 15 NOV	280.88 LE 14 AVR	1959
1960	---	283.55 LE 13 MAI	280.80 LE 11 AVR	1960
1961	---	283.30 LE 3 NOV	280.72 LE 13 AVR	1961
1962	---	283.26 LE 14 MAI	280.36 LE 31 DEC	1962
1963	---	282.96 LE 3 SEP	280.17 LE 15 JAN	1963
1964	---	283.34 LE 5 JUN	280.33 LE 31 MAR	1964
1965	---	283.24 LE 4 JUN	280.33 LE 19 AVR	1965
1966	---	283.72 LE 7 DEC	280.80 LE 12 AVR	1966
1967	---	283.32 LE 16 JUN	280.77 LE 3 AVR	1967
1968	---	283.31 LE 16 JUL	280.40 LE 19 MAR	1968
1969	---	282.84 LE 20 NOV	280.89 LE 13 AVR	1969
1970	---	283.80 LE 6 JUN	280.44 LE 18 AVR	1970
1971	---	283.18 LE 24 DEC	280.81 LE 8 AVR	1971
1972	---	283.86 LE 3 NOV	280.73 LE 14 AVR	1972
1973	---	283.50 LE 21 MAI	281.32 LE 11 MAR	1973
1974	---	283.53 LE 8 NOV	280.82 LE 12 AVR	1974
1975	---	283.56 LE 12 JUN	280.67 LE 17 AVR	1975
1976	---	283.57 LE 5 JUN	280.89 LE 20 MAR	1976
1977	---	283.56 LE 20 NOV	281.04 LE 28 MAR	1977
1978	---	283.50 LE 31 OCT	280.88 LE 8 AVR	1978
1979	---	---	---	1979
1980	---	283.48 LE 25 OCT	280.88 LE 1 AVR	1980
1987	---	---	---	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

RASCAS (RUISSEAU) AU RESERVOIR MITCHINAMECUS - STATION NO. 02LE018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	37.32	31.80	28.87	33.05	35.88	37.12	37.38	37.74	38.81	39.25	39.44	39.37	38.34	1983
1984	38.40	37.87	37.75	38.13	40.31	40.38	40.78	41.27	41.78	41.84	41.73	40.75	40.08	1984
1985	38.85	37.87	37.18	38.78	38.80	39.30	39.38	39.83	40.87	41.78	42.78	42.81	39.87	1985
1986	42.41	41.84	40.58	40.38	41.78	42.08	42.59	43.03	42.91	42.82	42.58	41.89	42.07	1986
MOYEN	38.25	37.30	36.05	37.08	39.18	39.72	39.97	40.49	41.05	41.43	41.85	41.21	39.84	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 12 00
LONG 76 05 00

BASSIN VERSANT, 932 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

RASCAS (RUISSEAU) AU RESERVOIR MITCHINAMECUS - STATION NO. 02LE018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	39.68 LE 2 DEC	28.22 LE 29 MAR *	1983
1984	---	41.87 LE 20 OCT	37.58 LE 5 AVR	1984
1985	---	42.63 LE 19 NOV	36.54 LE 10 AVR	1985
1986	---	43.08 LE 18 AOU *	40.08 LE 11 AVR	1986

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

RAYMOND (LAC) - STATION NO. 02LC042

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1980	---	---	---	306.23	305.83	305.85	305.82	305.88	305.73	305.92	---	---	---	1980
1981	---	---	---	306.32	305.95	305.90	305.87	305.80	305.83	---	---	---	---	1981
MOYEN	---	---	---	306.28	305.89	305.78	305.85	305.85	305.88	305.92	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 00 22
LONG 74 08 14 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

RICHELIEU (RIVIERE) A CANTIC - STATION NO. 020J005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1937	---	---	---	---	2.304	1.944	1.387	1.084	0.842	0.718	0.838	0.827	---	1937
1938	0.918	1.227	1.420	1.889	1.814	1.204	0.855	0.813	1.088	1.407	1.129	1.381	1.283	1938
1939	1.245	1.104	1.314	2.117	2.494	1.731	1.240	0.976	0.756	0.695	0.733	0.737	1.262	1939
1940	0.714	0.677	0.712	1.784	2.413	1.908	1.345	0.988	0.755	0.680	0.834	0.931	1.148	1940
1941	1.281	1.150	1.033	1.501	1.384	1.024	0.835	0.689	0.585	0.527	0.658	0.888	0.942	1941
1942	0.835	0.818	1.195	1.940	1.838	1.483	1.202	0.889	0.735	0.785	0.889	0.948	1.131	1942
1943	0.880	0.977	1.415	1.873	2.172	1.818	1.415	1.221	1.088	0.858	1.222	1.189	1.335	1943
1944	0.999	0.938	1.045	1.878	2.116	1.414	1.089	0.822	0.658	0.687	0.757	0.777	1.100	1944
1945	0.839	0.821	1.481	2.185	2.202	1.811	1.[illegible]2	1.131	0.980	1.741	1.703	1.539	1.494	1945
1946	1.352	1.218	1.833	1.772	1.542	1.415	1.015	0.840	0.698	0.862	1.087	1.185	1.218	1946
1947	1.292	1.485	1.511	2.243	2.385	2.590	2.021	1.459	1.035	0.738	0.694	0.890	1.509	1947
1948	0.887	0.848	0.984	1.820	1.884	1.478	1.141	0.932	0.737	0.594	0.808	1.084	1.059	1948
1949	1.615	1.434	1.395	1.830	1.574	1.101	0.781	0.622	0.840	0.683	0.852	0.880	1.088	1949
1950	1.200	1.312	1.301	1.868	1.754	1.227	0.850	0.724	0.750	0.701	0.764	1.332	1.155	1950
1951	1.229	1.281	1.482	2.349	2.008	1.371	1.150	0.845	0.824	0.712	0.988	1.178	1.293	1951
1952	1.294	1.402	1.308	2.183	1.941	1.830	1.348	0.941	0.805	0.888	0.613	0.815	1.263	1952
1953	0.937	1.234	1.424	2.064	2.214	1.531	1.055	0.828	0.701	0.585	0.507	0.889	1.144	1953
1954	0.719	0.894	1.770	2.151	2.349	1.878	1.414	1.084	1.032	1.370	1.308	1.414	1.452	1954
1955	1.491	1.325	1.845	2.329	2.080	1.473	1.087	0.937	0.825	0.787	1.013	0.883	1.328	1955
1956	0.887	0.855	0.895	1.884	2.221	1.855	1.304	0.988	0.773	0.897	0.688	0.826	1.120	1956
1957	0.835	0.980	1.178	1.324	1.276	1.181	1.084	0.882	0.721	0.624	0.685	0.973	0.881	1957
1958	1.429	1.316	1.227	2.113	2.298	1.715	1.301	1.148	1.011	1.022	1.211	1.088	1.407	1958
1959	1.022	1.195	1.282	2.302	1.887	1.401	1.186	0.903	0.795	0.823	1.174	1.744	1.305	1959
1960	1.580	1.401	1.390	2.385	2.182	1.588	1.232	1.017	0.891	0.887	0.892	0.915	1.388	1960
1961	0.813	0.786	1.281	1.843	1.877	1.858	1.487	1.255	1.128	0.912	0.818	0.878	1.220	1961
1962	0.867	0.872	0.838	2.081	2.021	1.418	1.112	1.173	1.042	1.189	1.334	1.339	1.283	1962
1963	1.182	1.123	1.182	2.381	2.194	1.578	1.173	1.084	1.077	0.848	0.872	0.988	1.304	1963
1964	0.854	1.100	1.418	1.714	1.704	1.381	1.121	0.953	0.898	0.724	0.873	0.723	1.116	1964
1965	0.843	0.804	0.949	1.072	1.245	1.004	0.879	0.884	0.880	1.134	1.231	1.428	1.047	1965
1966	1.324	1.251	1.818	1.940	1.772	1.584	1.171	0.981	0.854	0.893	0.678	0.981	1.278	1966
1967	0.845	1.032	1.000	1.780	1.880	1.857	1.417	1.241	1.141	1.112	1.201	1.304	1.308	1967
1968	1.254	1.200	1.388	2.100	1.841	1.598	1.481	1.272	1.084	0.945	0.895	1.441	1.382	1968
1969	1.389	1.416	1.327	2.293	2.628	2.017	1.552	1.453	1.328	1.121	1.334	1.430	1.807	1969
1970	1.363	1.453	1.401	2.058	2.487	1.737	1.348	1.152	1.038	1.042	1.048	1.101	1.438	1970
1971	1.078	1.109	1.418	2.172	2.815	2.008	1.430	1.303	1.471	1.257	1.031	1.184	1.522	1971
1972	1.221	1.158	1.302	2.030	2.801	2.155	1.695	1.781	1.408	1.102	1.274	1.845	1.848	1972
1973	1.819	1.869	2.180	2.520	2.217	2.238	2.153	1.673	1.388	1.290	1.181	1.491	1.840	1973
1974	1.895	1.835	1.848	2.254	2.481	1.857	1.581	1.410	1.221	1.114	1.107	1.418	1.884	1974
1975	1.348	1.258	1.458	1.947	2.098	1.802	1.286	1.078	1.079	1.381	1.847	1.888	1.480	1975
1976	1.455	1.719	2.298	2.729	2.382	2.003	1.752	1.928	1.738	1.718	1.736	1.485	1.911	1976
1977	1.275	1.170	1.815	2.502	2.085	1.431	1.169	1.080	1.178	1.985	2.088	1.988	1.845	1977
1978	1.920	1.855	1.547	2.445	2.464	1.898	1.510	1.228	0.978	0.902	0.890	0.824	1.538	1978
1979	1.225	1.298	1.988	2.382	2.068	1.738	1.338	1.150	1.284	1.231	1.258	1.380	1.530	1979
1980	1.310	1.050	1.008	1.880	1.800	1.272	1.082	1.118	1.100	1.082	1.110	1.303	1.226	1980
1981	1.180	1.522	1.948	1.891	1.444	1.500	1.280	1.372	1.557	1.888	1.888	1.893	1.891	1981
1982	1.502	1.403	1.438	2.337	2.233	1.884	1.425	1.180	1.052	0.967	1.003	1.052	1.427	1982
1983	1.184	1.340	1.488	2.042	2.827	2.327	1.622	1.412	1.335	1.324	1.387	2.280	1.713	1983
1984	2.033	1.801	1.852	2.133	2.242	2.259	1.782	1.438	1.210	1.087	1.080	1.228	1.678	1984
1985	1.513	1.331	1.188	1.882	1.785	1.484	1.363	1.210	1.022	1.185	1.384	1.401	1.387	1985
1986	1.241	1.348	1.830	2.458	1.828	1.889	1.442	1.493	1.442	1.473	1.348	1.817	1.574	1986
1987	1.329	1.188	---	---	---	1.395	1.317	1.118	1.080	1.223	1.343	1.488	---	1987
MOYEN	1.218	1.225	1.408	2.030	2.060	1.851	1.312	1.125	1.020	1.018	1.080	1.188	1.382	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 27.740 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 03 56
LONG 73 19 16 DEBIT NATUREL

RICHELIEU (RIVIERE) A CANTIC - STATION NO. 020J005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1937	---	2.580 LE 22 MAI	0.585 LE 30 OCT	1937
1938	---	2.051 LE 17 AVR	0.820 LE 8 SEP	1938
1939	---	2.638 LE 2 MAI	0.881 LE 17 OCT	1939
1940	---	2.803 LE 8 MAI	0.591 LE 28 OCT	1940
1941	---	1.841 LE 23 AVR	0.424 LE 11 OCT *	1941
1942	---	2.288 LE 24 AVR	0.634 LE 20 SEP	1942
1943	---	2.411 LE 18 MAI	0.780 LE 20 OCT	1943
1944	---	2.353 LE 2 MAI	0.508 LE 19 OCT	1944
1945	---	2.700 LE 10 AVR	0.750 LE 2 JAN	1945
1946	---	2.030 LE 23 MAR	0.826 LE 23 SEP	1946
1947	---	2.795 LE 5 JUN	0.587 LE 23 OCT	1947
1948	---	2.121 LE 8 AVR	0.508 LE 26 OCT	1948
1949	---	1.908 LE 18 AVR	0.508 LE 31 OCT	1949
1950	---	2.152 LE 26 AVR	0.818 LE 3 NOV	1950
1951	---	2.536 LE 22 AVR	0.822 LE 1 NOV	1951
1952	---	2.423 LE 19 AVR	0.587 LE 18 NOV	1952
1953	---	2.402 LE 15 MAI	0.451 LE 8 NOV	1953
1954	---	2.545 LE 29 AVR	0.873 LE 11 FEV	1954
1955	---	2.533 LE 22 AVR	0.892 LE 5 OCT	1955
1956	---	2.374 LE 18 MAI	0.809 LE 10 DEC	1956
1957	---	1.446 LE 31 DEC	0.578 LE 1 NOV	1957
1958	---	2.576 LE 24 AVR	0.911 LE 20 OCT	1958
1959	---	2.517 LE 18 AVR	0.898 LE 1 OCT	1959
1960	---	2.824 LE 26 AVR	0.788 LE 11 OCT	1960
1961	---	2.100 LE 15 MAI	0.736 LE 22 FEV	1961
1962	---	2.367 LE 2 MAI	0.858 LE 18 JAN	1962
1963	---	2.489 LE 24 AVR	0.578 LE 29 OCT	1963
1964	---	1.917 LE 29 AVR	0.881 LE 15 NOV	1964
1965	---	1.451 LE 6 DEC	0.759 LE 1 JAN	1965
1966	---	2.002 LE 24 AVR	0.838 LE 30 OCT	1966
1967	---	2.051 LE 1 MAI	0.890E LE 24 JAN	1967
1968	---	2.367 LE 5 AVR	0.875 LE 21 OCT	1968
1969	---	3.011 LE 25 AVR	1.070 LE 28 OCT	1969
1970	---	2.787 LE 30 AVR	0.926E LE 14 NOV	1970
1971	---	3.014E LE 13 MAI	0.911E LE 22 NOV	1971
1972	---	3.091E LE 11 MAI *	1.003 LE 24 OCT	1972
1973	2.790 LE 7 AVR A 2200 HNE	2.885 LE 6 AVR	1.073 LE 15 NOV	1973
1974	2.812 LE 15 MAI A 0715 HNE	2.586 LE 3 MAI	0.948 LE 21 NOV	1974
1975	2.310 LE 1 MAI A 2250 HNE	2.288 LE 28 AVR	1.000 LE 10 SEP	1975
1976	3.048 LE 5 AVR A 1858 HNE	3.017 LE 6 AVR	1.353 LE 31 DEC	1976
1977	2.885 LE 26 AVR A 0207 HNE	2.530E LE 8 AVR	1.018 LE 9 AOU	1977
1978	2.785 LE 29 AVR A 1209 HNE	2.740 LE 29 AVR	0.774 LE 26 NOV	1978
1979	---	2.475A LE 2 AVR	0.924 LE 1 JAN	1979
1980	1.850 LE 20 AVR A 1035 HNE	1.810 LE 18 AVR	0.686 LE 13 MAR	1980
1981	2.313 LE 28 FEV A 1745 HNE	2.284 LE 28 FEV	1.106 LE 31 JAN	1981
1982	2.705 LE 26 AVR A 2010 HNE	2.657 LE 26 AVR	0.850A LE 31 OCT	1982
1983	3.084 LE 6 MAI A 2105 HNE *	3.027 LE 9 MAI	1.014 LE 30 OCT	1983
1984	2.617 LE 9 JUN A 1305 HNE	2.490 LE 9 JUN	1.048 LE 28 OCT	1984
1985	2.067 LE 24 AVR A 1033 HNE	1.984 LE 30 AVR	0.803 LE 18 MAR	1985
1986	2.788 LE 6 AVR A 2126 HNE	2.736 LE 6 AVR	1.161 LE 18 JAN	1986
1987	---	2.384 LE 11 AVR	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 27.740 m POUR OBTENIR LES COTES GEODESIQUES

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE) E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

RICHELIEU (RIVIERE) A LA MARINA DE SAINT-JEAN - STATION NO. 020J018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	---	---	---	1.183	1.737	1.266	1.044	0.985	0.672	0.451	0.577	0.822	---	1972
1973	0.935	1.050	1.263	1.589	1.333	1.304	1.191	0.815	0.588	0.548	0.453	0.720	0.881	1973
1974	1.158	0.961	1.055	1.385	1.642	1.122	0.831	0.672	0.502	0.420	0.415	0.585	0.894	1974
1975	0.805	0.533	0.701	1.104	1.232	0.814	0.506	0.338	0.351	0.511	0.644	0.677	0.710	1975
1976	0.719	0.661	1.377	1.733	1.458	1.113	0.886	0.975	0.841	0.871	0.924	0.888	1.035	1976
1977	0.581	0.478	0.982	1.580	1.202	0.881	0.412	0.330	0.445	1.088	1.180	1.070	0.835	1977
1978	1.020	0.926	0.788	1.513	1.524	1.024	0.889	0.432	0.280	0.224	0.232	0.113	0.725	1978
1979	0.458	0.550	1.124	1.488	1.198	0.878	0.508	0.388	0.515	0.601	0.547	0.844	0.730	1979
1980	0.518	0.338	0.327	0.870	0.828	0.518	0.286	0.335	0.398	0.389	0.400	0.574	0.481	1980
1981	0.488	0.728	1.151	1.078	0.893	0.710	0.468	0.583	0.818	0.834	1.108	0.882	0.782	1981
1982	0.723	0.601	0.874	1.430	1.328	0.821	0.598	0.387	0.298	0.280	0.318	0.370	0.648	1982
1983	0.608	0.545	0.718	1.148	1.795	1.348	0.726	0.588	0.428	0.380	0.586	1.305	0.828	1983
1984	1.072	0.928	0.959	1.230	1.328	1.300	0.857	0.884	0.402	0.322	0.340	0.481	0.813	1984
1985	0.705	0.547	0.688	1.113	0.858	0.850	0.481	0.288	0.308	0.481	0.598	0.817	0.633	1985
1986	0.471	0.532	0.765	1.496	0.991	0.628	0.595	0.509	0.818	0.881	0.589	0.704	0.740	1986
1987	---	---	0.516	1.298	0.838	0.820	0.483	0.343	0.318	0.487	0.571	---	---	1987
MOYEN	0.705	0.883	0.888	1.323	1.282	0.937	0.858	0.533	0.472	0.527	0.805	0.700	0.775	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 25.301 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1969)

LOCATION - LAT 45 18 03
LONG 73 15 04 DEBIT NATUREL

RICHELIEU (RIVIERE) A LA MARINA DE SAINT-JEAN - STATION NO. 020J018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	1.920 LE 11 MAI	0.311 LE 9 NOV	1972
1973	---	1.697 LE 7 AVR	0.308 LE 30 OCT	1973
1974	---	1.685 LE 15 MAI	0.338 LE 6 NOV	1974
1975	1.432 LE 4 MAI A 1440 HNE	1.411 LE 29 AVR	0.288A LE 30 ADU	1975
1976	2.002E LE 5 AVR A 0056 HNE	1.878E LE 6 AVR *	0.584 LE 29 DEC	1976
1977	1.792 LE 3 AVR A 0520 HNE	1.888 LE 3 AVR	0.288 LE 9 ADU	1977
1978	---	1.758A LE 1 MAI	0.030A LE 27 DEC *	1978
1979	1.849 LE 5 AVR A 1739 HNE	1.828A LE 3 AVR	0.140A LE 1 JAN	1979
1980	1.036 LE 18 MAI A 1806 HNE	1.030A LE 20 AVR	0.180A LE 9 MAR	1980
1981	---	1.573A LE 28 FEV	0.335 LE 27 JUL	1981
1982	1.781E LE 26 AVR A 1906 HNE	1.697A LE 26 AVR	0.188 LE 9 OCT	1982
1983	2.018 LE 7 MAI A 2159 HNE *	1.840 LE 7 MAI	0.175 LE 4 NOV	1983
1984	1.521 LE 9 JUN A 1310 HNE	1.802 LE 9 JUN	0.290 LE 2 OCT	1984
1985	1.280 LE 14 AVR A 1835 HNE	1.183 LE 14 AVR	0.208 LE 31 ADU	1985
1986	1.808 LE 6 AVR A 2212 HNE	1.738 LE 6 AVR	0.387 LE 19 JAN	1986
1987	1.460 LE 10 AVR A 0838 HNE	1.445 LE 10 AVR	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 28.301 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1988)

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE) E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

RICHELIEU (RIVIERE) A SAINT-JEAN - STATION NO. 020J001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	ADU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1914	---	---	---	---	---	---	---	---	---	28.449	28.488	28.509	---	1914
1915	28.533	28.730	29.088	29.089	28.982	28.735	28.836	28.573	28.528	28.480	28.458	28.530	28.697	1915
1916	28.780	29.035	28.999	29.581	29.510	29.301	29.029	28.747	28.582	28.573	28.536	28.738	28.850	1916
1917	28.772	28.799	28.882	28.891	28.455	28.358	28.108	28.849	28.692	28.742	28.957	28.780	28.008	1917
1918	28.888	28.789	29.131	29.783	29.801	29.221	28.942	28.747	28.681	29.212	29.487	29.340	29.135	1918
1919	29.189	28.981	29.116	29.726	29.593	29.254	28.888	28.614	28.575	28.784	29.077	28.982	29.080	1919
1920	28.778	28.710	29.009	29.929	29.802	29.158	28.878	28.888	28.585	28.782	28.730	28.058	29.011	1920
1921	29.004	28.717	29.228	29.583	29.178	28.805	28.648	28.503	28.431	28.371	28.485	28.789	28.808	1921
1922	28.728	28.888	29.145	29.998	29.892	29.334	29.368	28.924	28.712	28.588	28.490	28.505	29.013	1922
1923	28.780	28.045	28.137	28.705	29.608	29.202	28.820	28.532	28.381	28.363	28.517	28.912	28.913	1923
1924	28.948	28.922	28.887	29.420	29.788	29.207	28.784	28.583	28.556	28.622	28.510	28.608	28.897	1924
1925	28.541	28.840	29.336	29.535	29.278	28.942	28.793	28.789	28.852	28.980	29.188	29.132	28.998	1925
1926	28.818	28.882	28.778	29.368	29.780	29.283	28.997	28.745	28.580	28.678	28.814	28.850	28.978	1926
1927	28.742	28.883	28.898	29.102	29.004	28.868	28.642	28.512	28.483	28.495	29.518	29.782	28.901	1927
1928	29.481	29.142	29.032	29.681	28.585	29.335	28.885	28.731	28.581	28.581	28.630	28.872	29.030	1928
1929	28.882	28.823	28.949	29.884	29.828	29.287	28.998	28.889	28.494	28.458	28.519	28.473	28.883	1929
1930	28.873	28.819	28.248	28.527	28.323	29.291	29.025	28.885	28.483	28.383	28.375	28.338	28.871	1930
1931	28.338	28.384	28.478	29.218	28.182	28.820	28.763	28.887	28.537	28.578	28.858	28.818	28.892	1931
1932	28.878	28.840	28.751	28.524	28.487	29.005	28.789	28.702	28.504	28.632	28.812	28.884	28.907	1932
1933	28.800	28.715	28.681	28.718	28.783	29.085	28.870	28.475	28.424	28.330	28.343	28.444	28.787	1933
1934	28.884	28.592	28.808	28.717	29.484	28.948	28.850	28.421	28.333	28.287	28.348	28.490	28.718	1934
1935	28.725	28.726	28.858	29.182	28.272	28.133	29.020	28.784	28.574	28.559	28.523	28.874	28.844	1935
1936	28.870	28.703	29.405	30.036	29.538	29.088	28.888	28.488	28.480	28.500	28.901	28.819	28.981	1936
1937	29.040	28.890	28.880	28.283	28.723	28.430	28.892	28.884	28.628	28.434	28.558	28.814	28.930	1937
1938	28.588	28.832	28.001	29.428	29.183	28.838	28.808	28.554	28.704	28.981	28.784	28.888	28.878	1938
1939	28.835	28.898	28.877	29.888	29.881	29.288	28.843	28.808	28.428	28.400	28.433	28.447	28.888	1939
1940	28.420	28.380	28.412	29.308	29.785	29.407	28.947	28.854	28.470	28.387	28.818	28.820	28.778	1940
1941	28.849	28.782	28.871	29.086	28.884	28.888	28.852	28.408	28.328	28.270	28.390	28.385	28.818	1941
1942	28.808	28.808	28.818	28.437	29.388	29.084	28.837	28.872	28.488	28.518	28.814	28.833	28.778	1942
1943	28.873	28.879	29.037	28.282	29.884	29.378	29.087	28.885	28.747	28.582	28.818	28.884	28.878	1943
1944	28.712	28.851	28.753	28.418	29.820	29.087	28.801	28.888	28.428	28.452	28.520	28.808	28.780	1944
1945	28.888	28.888	29.143	29.805	29.878	29.374	29.028	28.798	28.872	29.318	29.278	29.138	29.120	1945
1946	29.020	28.805	29.258	29.348	29.171	29.084	28.724	28.547	28.438	28.801	28.813	28.817	28.903	1946
1947	28.853	29.103	29.108	29.670	29.817	29.878	28.811	28.025	28.888	28.488	28.481	28.428	29.101	1947
1948	28.382	28.427	28 811	28.511	29.278	29.083	28.808	28.807	28.487	28.384	28.880	28.730	28.782	1948
1949	29.157	29.003	29.030	29.382	29.187	28.798	28.528	28.385	28.380	28.384	28.383	28.512	28.783	1949
1950	28.801	28.880	28.788	28.480	28.330	28.817	28.581	28.488	28.485	28.453	28.512	28.884	28.802	1950
1951	28.885	28.883	29.058	28.803	28.515	29.018	28.827	28.838	28.547	28.488	28.703	28.838	28.830	1951
1952	28.825	28.870	28.828	28.862	29.481	29.355	28.948	28.812	28.487	28.425	28.343	28.585	28.888	1952
1953	28.882	28.834	29.055	29.540	29.834	29.084	28.878	28.482	28.421	28.288	28.277	28.418	28.783	1953
1954	28.428	28.583	29.224	29.580	29.782	29.387	28.885	28.888	28.738	28.880	28.808	28.888	29.022	1954
1955	29.008	28.822	29.187	29.883	29.828	28.040	28.874	28.572	28.582	28.483	28.880	28.823	28.801	1955
1956	28.541	28.884	28.870	29.243	29.857	29.347	28.878	28.582	28.501	28.478	28.418	28.480	28.771	1956
1957	28.850	28.842	28.840	28.988	28.828	28.836	28.724	28.585	28.487	28.388	28.484	28.702	28.874	1957
1958	28.842	28.870	28.878	28.880	29.720	29.230	28.838	28.714	28.818	28.859	28.845	28.890	28.885	1958
1959	28.853	28.788	28.837	28.884	29.384	28.837	28.717	28.808	28.422	28.478	28.784	29.188	28.882	1959
1960	29.028	28.820	28.888	29.743	29.586	29.047	28.733	28.587	28.500	28.524	28.880	28.888	28.881	1960
1961	28.802	28.435	28.854	29.187	28.428	28.147	28.831	28.788	28.880	28.840	28.473	28.832	28.780	1961
1962	28.813	28.492	28.853	29.488	29.487	28.848	28.880	28.731	28.838	28.718	28.878	28.843	28.828	1962
1963	28.880	28.883	28.881	29.705	29.884	29.078	28.728	28.885	28.838	28.487	28.837	28.801	28.837	1963
1964	28.884	28.878	28.881	29.218	29.200	28.800	28.848	28.834	28.497	28.381	28.348	28.381	28.888	1964
1965	28.472	28.818	28.888	28.885	28.818	28.834	28.487	28.482	28.878	28.734	28.818	28.827	28.885	1965
1966	28.882	28.780	29.143	29.338	29.281	29.082	28.733	28.582	28.588	28.580	28.578	28.803	28.842	1966
1967	28.887	28.837	28.840	29.227	28.295	29.127	28.888	28.750	28.871	28.888	28.787	28.838	28.842	1967
1968	28.880	28.788	28.942	28.821	28.277	29.038	28.822	28.780	28.848	28.572	28.804	28.837	28.808	1968
1969	28.943	28.917	28.887	29.884	28.913	29.428	29.018	28.833	28.805	28.724	28.821	28.888	29.087	1969
1970	28.880	29.008	---	---	---	---	---	28.881	28.811	28.888	---	---	---	1970
1971	---	---	---	---	---	29.407	28.938	28.858	29.015	28.882	28.700	28.800	---	1971
1972	---	---	---	---	---	28.573	28.352	28.282	28.588	28.747	---	---	---	1972
MOYEN	28.782	28.788	28.830	29.491	29.470	29.138	28.848	28.658	28.582	28.575	28.882	28.739	28.878	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1988)

LOCATION - LAT 45 18 48 BASSIN VERSANT, 22 000 km²
LONG 73 15 08 DEBIT NATUREL

RICHELIEU (RIVIERE) A SAINT-JEAN - STATION NO. 020J001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1914	---	---	28.170 LE 24 OCT	1914
1915	---	29.284 LE 22 AVR	28.121 LE 15 OCT	1915
1916	---	28.884 LE 28 AVR	28.374 LE 14 OCT	1916
1917	---	29.787 LE 10 AVR	28.551 LE 1 OCT	1917
1918	---	29.822 LE 8 AVR	28.526 LE 10 SEP	1918
1919	---	30.075 LE 20 AVR	28.428 LE 6 SEP	1919
1920	---	30.151 LE 23 AVR	26.788 LE 18 SEP	1920
1921	---	29.846 LE 31 MAR	28.187 LE 2 NOV	1921
1922	---	30.456 LE 17 AVR *	28.374 LE 12 NOV	1922
1923	---	29.822 LE 14 AVR	28.221 LE 23 OCT	1923
1924	---	29.974 LE 18 MAI	28.273 LE 17 NOV	1924
1925	---	29.745E LE 14 AVR	28.444 LE 8 SEP	1925
1926	---	29.966 LE 5 MAI	28.459 LE 23 SEP	1926
1927	---	29.956 LE 10 DEC	28.020 LE 27 SEP	1927
1928	---	29.884 LE 15 AVR	28.313 LE 13 OCT	1928
1929	---	30.020 LE 11 MAI	28.262 LE 26 SEP	1929
1930	---	29.803 LE 18 AVR	27.975 LE 25 OCT *	1930
1931	---	29.498 LE 10 AVR	28.310 LE 1 JAN	1931
1932	---	29.800 LE 26 AVR	28.368 LE 28 SEP	1932
1933	---	30.200 LE 23 AVR	28.216 LE 7 OCT	1933
1934	---	30.047 LE 19 AVR	28.066 LE 13 OCT	1934
1935	---	29.532 LE 9 MAI	28.282 LE 12 NOV	1935
1936	---	30.233 LE 27 MAR	28.385 LE 20 AOU	1936
1937	---	29.931 LE 22 MAI	28.286 LE 20 OCT	1937
1938	---	29.827 LE 17 AVR	28.468 LE 24 AOU	1938
1939	---	30.180 LE 9 MAI	28.270 LE 17 SEP	1939
1940	---	29.953 LE 7 MAI	28.278 LE 15 OCT	1940
1941	---	28.404 LE 20 AVR	28.124 LE 23 SEP	1941
1942	---	29.739 LE 28 AVR	28.282 LE 20 SEP	1942
1943	---	29.837 LE 15 MAI	28.404 LE 24 OCT	1943
1944	---	29.803 LE 2 MAI	28.279 LE 2 OCT	1944
1945	---	29.884 LE 7 AVR	28.482 LE 17 SEP	1945
1946	---	29.742 LE 3 AVR	28.340 LE 30 SEP	1946
1947	---	30.188 LE 5 JUN	28.310 LE 4 DEC	1947
1948	---	29.834 LE 14 AVR	28.282 LE 25 OCT	1948
1949	---	29.441 LE 12 AVR	28.130 LE 4 NOV	1949
1950	---	29.745 LE 26 AVR	28.282 LE 3 NOV	1950
1951	---	30.020 LE 17 AVR	28.374 LE 8 OCT	1951
1952	---	29.867 LE 22 AVR	28.221 LE 12 NOV	1952
1953	---	29.778 LE 5 MAI	27.978 LE 7 NOV	1953
1954	---	29.867 LE 22 AVR	28.404 LE 5 JAN	1954
1955	---	30.020 LE 22 AVR	28.404 LE 4 OCT	1955
1956	---	29.758 LE 3 MAI	28.203 LE 18 OCT	1956
1957	---	29.239 LE 25 AVR	28.295 LE 20 OCT	1957
1958	---	30.123 LE 29 AVR	28.523 LE 11 SEP	1958
1959	---	29.884 LE 16 AVR	28.285 LE 2 OCT	1959
1960	---	29.992 LE 27 AVR	28.318 LE 25 OCT	1960
1961	---	29.535 LE 7 MAI	28.401 LE 10 NOV	1961
1962	---	29.812E LE 2 MAI	28.429 LE 28 SEP	1962
1963	---	29.892 LE 30 AVR	28.032 LE 29 OCT	1963
1964	---	29.404 LE 22 AVR	28.248 LE 18 NOV	1964
1965	---	29.072 LE 1 DEC	28.401 LE 4 AOU	1965
1966	---	29.505 LE 21 AVR	28.498 LE 15 SEP	1966
1967	---	29.505 LE 22 AVR	28.498 LE 30 JAN	1967
1968	---	29.758A LE 8 AVR	28.374 LE 12 NOV	1968
1969	---	30.145E LE 25 AVR	28.560 LE 5 NOV	1969
1970	---	---	28.520 LE 17 OCT	1970
1971	---	---	28.493 LE 30 NOV	1971
1972	---	---	28.842 LE 29 OCT	1972

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1969)

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE) E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

RICHELIEU (RIVIERE) EN AMONT DU BARRAGE FRYERS - STATION NO. 020J012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1939	---	---	---	2.106	2.394	1.948	1.550	1.270	1.078	1.036	1.081	1.139	---	1939
1940	1.238	1.222	1.333	1.933	2.282	1.877	1.587	1.309	1.118	1.058	1.188	1.308	1.484	1940
1941	1.788	1.588	1.278	1.617	1.572	1.348	1.173	1.032	0.858	0.900	1.028	1.081	1.278	1941
1942	1.278	1.172	1.517	1.841	1.897	1.630	1.420	1.180	1.038	1.104	1.210	1.374	1.388	1942
1943	1.728	1.585	1.788	1.790	2.148	1.926	1.627	1.482	1.287	1.214	1.502	1.591	1.842	1943
1944	1.880	1.502	1.484	1.889	2.100	1.837	1.402	1.188	1.042	1.057	1.134	1.222	1.441	1944
1945	1.593	1.631	1.883	2.129	2.173	1.930	1.614	1.404	1.287	1.843	1.830	1.844	1.788	1945
1946	1.838	1.731	1.787	1.827	1.726	1.633	1.329	1.141	1.030	1.188	1.480	1.574	1.521	1946
1947	1.785	1.809	1.881	2.107	2.232	2.373	2.009	1.594	1.273	1.081	1.042	1.142	1.878	1947
1948	1.154	1.234	1.585	2.012	1.846	1.678	1.412	1.222	1.089	0.984	1.147	1.348	1.388	1948
1949	1.825	1.788	1.671	1.938	1.781	1.414	1.134	0.881	0.892	0.894	1.023	1.207	1.381	1949
1950	1.509	1.803	1.548	1.987	1.891	1.501	1.204	1.071	1.088	1.082	1.118	1.877	1.430	1950
1951	1.826	1.837	1.725	2.274	2.043	1.802	1.429	1.243	1.139	1.080	1.322	1.498	1.548	1951
1952	1.887	1.884	1.818	2.103	1.978	1.879	1.483	1.180	1.080	1.007	0.987	1.197	1.472	1952
1953	1.418	1.840	1.882	2.082	2.145	1.882	1.288	1.102	1.029	0.931	0.918	1.088	1.410	1953
1954	1.285	1.457	1.847	2.118	2.248	1.948	1.581	1.298	1.332	1.578	1.552	1.880	1.858	1954
1955	1.839	1.721	1.845	2.247	2.082	1.882	1.301	1.178	1.174	1.123	1.328	1.386	1.588	1955
1956	1.403	1.383	1.377	1.843	2.183	1.823	1.481	1.191	1.085	1.088	1.040	1.126	1.425	1956
1957	1.485	1.804	1.531	1.805	1.847	1.443	1.318	1.137	1.048	0.986	1.071	1.311	1.331	1957
1958	1.648	1.528	1.478	2.115	2.200	1.772	1.382	1.248	1.150	1.203	1.408	1.370	1.841	1958
1959	1.483	1.834	1.722	2.145	1.878	1.492	1.284	1.023	0.944	1.024	1.382	1.741	1.473	1959
1960	1.844	1.810	1.420	2.141	2.051	1.802	1.258	1.092	1.034	1.083	1.210	1.188	1.432	1960
1961	1.287	1.300	1.870	1.712	1.926	1.888	1.422	1.228	1.155	1.082	1.052	1.128	1.387	1961
1962	1.280	1.288	1.338	1.953	1.857	1.490	1.178	1.208	1.133	1.289	1.410	1.487	1.410	1962
1963	1.407	1.803	1.487	2.145	2.037	1.575	1.227	1.125	1.112	1.028	1.087	1.353	1.423	1963
1964	1.402	1.553	1.483	1.735	1.718	1.438	1.140	1.000	0.889	0.933	0.918	1.051	1.277	1964
1965	1.288	1.311	1.209	1.283	1.389	1.185	1.004	0.984	1.041	1.235	1.381	1.532	1.228	1965
1966	1.843	1.470	1.580	1.858	1.777	1.552	1.261	1.509	1.735	1.557	1.484	1.184	1.558	1966
1967	1.208	1.371	1.346	1.785	1.828	1.615	1.328	1.174	1.119	1.193	1.319	1.453	1.385	1967
1968	1.629	1.494	1.572	2.015	1.815	1.528	1.350	1.148	1.061	1.029	1.102	1.541	1.440	1968
1969	1.751	1.895	1.581	2.108	2.312	1.905	1.440	1.247	1.158	1.105	1.338	1.480	1.590	1969
1970	1.706	1.726	1.859	2.025	2.188	1.872	1.781	1.804	1.803	1.280	1.151	1.319	1.892	1970
1971	1.418	1.464	1.711	1.984	2.348	1.851	1.488	1.485	1.882	1.583	1.455	1.322	1.850	1971
1972	1.511	1.553	1.877	2.008	2.507	2.034	1.780	1.800	1.350	1.284	1.394	1.883	1.880	1972
1973	1.928	2.000	2.072	2.282	2.071	2.021	1.878	1.528	1.382	1.348	1.284	1.553	1.774	1973
1974	1.928	1.888	1.870	2.121	2.250	1.888	1.549	1.348	---	---	---	---	---	1974
1975	1.527	1.510	1.828	1.982	2.003	1.575	1.178	1.028	1.078	1.383	1.827	1.782	1.521	1975
1976	1.843	1.892	2.159	2.378	2.181	1.858	1.548	1.828	1.588	1.548	1.713	1.889	1.823	1976
1977	---	---	---	2.285	1.973	1.451	1.183	1.080	1.180	1.843	1.885	1.953	---	1977
1978	1.885	1.742	1.584	2.233	2.228	1.813	1.448	1.184	1.048	1.053	1.083	1.013	1.520	1978
1979	---	---	---	2.192	---	---	---	---	---	---	1.348	1.500	---	1979
1980	1.413	1.237	1.205	1.582	1.618	1.304	1.057	1.057	1.077	1.137	1.183	1.388	1.281	1980
1981	1.490	1.673	1.878	1.777	1.628	1.427	1.198	1.218	1.313	1.820	1.827	1.808	1.553	1981
1982	1.513	1.431	1.478	2.000	1.948	1.488	1.244	1.074	0.893	1.027	1.123	1.203	1.377	1982
1983	1.247	1.373	1.462	1.804	2.304	1.850	1.403	1.224	1.131	1.100	1.288	1.908	1.818	1983
1984	1.778	1.632	1.883	1.855	1.843	---	---	---	---	---	---	---	---	1984
1985	1.885	1.588	1.721	1.880	1.741	1.442	1.238	1.088	1.098	1.288	1.430	1.488	1.487	1985
1986	1.423	1.531	1.655	2.203	1.773	1.592	1.385	1.383	1.387	1.481	1.441	1.505	1.580	1986
1987	1.443	1.318	1.375	2.024	1.371	1.388	1.271	1.170	1.144	1.301	1.423	1.523	1.398	1987
MOYEN	1.550	1.544	1.601	1.983	1.984	1.679	1.388	1.233	1.175	1.203	1.282	1.415	1.495	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 25.000 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1988)

LOCATION - LAT 45 23 41
LONG 73 18 22 DEBIT NATUREL

RICHELIEU (RIVIERE) EN AMONT DU BARRAGE FRYERS - STATION NO. 020JO12

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1939	---	2.583 LE 30 AVR	0.928 LE 17 OCT	1939
1940	---	2.411 LE 6 MAI	0.881 LE 26 OCT	1940
1941	---	2.075 LE 17 JAN	0.801 LE 29 SEP	1941
1942	---	2.225 LE 26 AVR	0.988 LE 3 SEP	1942
1943	---	2.414 LE 17 MAI	1.070 LE 16 OCT	1943
1944	---	2.234 LE 3 MAI	0.885 LE 29 OCT	1944
1945	---	2.377 LE 5 AVR	1.152 LE 18 SEP	1945
1946	---	2.142 LE 26 JAN	0.989 LE 6 OCT	1946
1947	---	2.523 LE 5 JUN	0.814 LE 31 OCT	1947
1948	---	2.225 LE 5 AVR	0.920 LE 1 NOV	1948
1949	---	2.118 LE 31 JAN	0.871 LE 19 AOU	1949
1950	---	2.218 LE 11 MAI	0.929 LE 3 NOV	1950
1951	---	2.417 LE 19 AVR	0.972 LE 12 OCT	1951
1952	---	2.277 LE 22 AVR	0.887 LE 17 NOV	1952
1953	---	2.287 LE 22 MAI	0.788 LE 7 NOV *	1953
1954	---	2.382 LE 1 MAI	1.134 LE 26 AOU	1954
1955	---	2.502 LE 17 AVR	1.021 LE 5 OCT	1955
1956	---	2.292 LE 12 MAI	0.902 LE 18 NOV	1956
1957	---	1.807 LE 26 AVR	0.814 LE 3 NOV	1957
1958	---	2.947 LE 25 AVR *	1.051 LE 17 SEP	1958
1959	---	2.284 LE 18 AVR	0.832 LE 2 OCT	1959
1960	---	2.328 LE 1 MAI	0.986 LE 25 OCT	1960
1961	---	2.030 LE 18 MAI	0.886 LE 15 DEC	1961
1962	---	2.161 LE 2 MAI	0.999 LE 28 SEP	1962
1963	---	2.282 LE 30 AVR	0.883 LE 29 OCT	1963
1964	---	1.871 LE 23 AVR	0.788 LE 1 DEC	1964
1965	---	1.867E LE 28 DEC	0.890 LE 5 AOU	1965
1966	---	2.318 LE 4 OCT	0.847 LE 21 JUL	1966
1967	---	1.857 LE 22 AVR	1.042 LE 10 SEP	1967
1968	---	2.152 LE 5 AVR	0.885 LE 13 NOV	1968
1969	---	2.483 LE 1 MAI	1.045 LE 13 OCT	1969
1970	---	2.420 LE 1 MAI	0.884 LE 17 OCT	1970
1971	---	2.458 LE 13 MAI	0.951 LE 30 NOV	1971
1972	---	2.731E LE 11 MAI	1.148 LE 8 NOV	1972
1973	---	2.377 LE 8 AVR	1.103 LE 18 NOV	1973
1974	---	2.366 LE 10 MAI	---	1974
1975	---	2.252 LE 20 AVR	0.881 LE 23 AOU	1975
1976	---	2.572 LE 8 AVR	1.414 LE 1 AOU	1976
1977	---	2.398 LE 3 AVR	1.012 LE 11 AOU	1977
1978	---	2.411 LE 29 AVR	0.902E LE 14 OCT	1978
1979	---	---	---	1979
1980	---	1.787 LE 16 AVR	0.996 LE 19 SEP	1980
1981	---	2.129 LE 14 AVR	1.078E LE 29 JUL	1981
1982	---	2.250E LE 26 AVR	0.910 LE 25 SEP	1982
1983	---	2.506 LE 16 MAI	0.892E LE 8 OCT	1983
1984	---	---	---	1984
1985	---	---	1.011 LE 31 AOU	1985
1986	2.445 LE 7 AVR A 0100 HNE *	---	1.254A LE 8 JAN	1986
1987	2.147 LE 10 AVR A 1300 HNE	2.143 LE 10 AVR	1.077 LE 4 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 25.000 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1969)

A - JAUGE MANUELLE (VOIR INDEX DE REFRENCE) E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

RICHELIEU (RIVIERE) EN AVAL DU BARRAGE FRYERS - STATION NO. 020JC13

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1939	---	---	---	1.886	2.117	1.886	1.342	1.118	0.886	0.935	0.976	1.055	---	1939
1940	1.236	1.240	1.386	1.771	2.021	1.744	1.391	1.150	0.980	0.935	1.048	1.186	1.337	1940
1941	1.565	1.434	1.225	1.481	1.381	1.173	1.036	0.821	0.858	0.805	0.910	0.982	1.144	1941
1942	1.268	1.241	1.381	1.720	1.672	1.427	1.252	1.028	0.928	0.984	1.081	1.261	1.271	1942
1943	1.584	1.514	1.703	1.598	1.898	1.681	1.434	1.295	1.205	1.078	1.322	1.412	1.488	1943
1944	1.435	1.355	1.383	1.713	1.871	1.650	1.256	1.084	0.949	0.953	1.012	1.111	1.296	1944
1945	1.604	1.585	1.719	1.878	1.821	1.897	1.423	1.246	1.148	1.804	1.585	1.583	1.581	1945
1946	1.547	1.486	1.612	1.843	1.506	1.427	1.181	1.031	0.959	1.083	1.293	1.401	1.347	1946
1947	1.626	1.622	1.530	1.923	2.024	2.148	1.816	1.452	1.163	1.010	0.870	1.084	1.630	1947
1948	1.222	1.264	1.474	1.792	1.850	1.494	1.283	1.111	0.881	0.909	1.048	1.238	1.287	1948
1949	1.540	1.561	1.475	1.718	1.566	1.258	1.031	0.885	0.811	0.817	0.942	1.108	1.249	1949
1950	1.380	1.413	1.348	1.788	1.878	1.344	1.082	0.975	1.000	0.881	1.021	1.427	1.282	1950
1951	1.447	1.408	1.515	2.009	1.802	1.410	1.259	1.105	1.025	0.982	1.184	1.341	1.372	1951
1952	1.480	1.467	1.408	1.932	1.789	1.722	1.381	1.084	1.002	0.970	0.917	1.119	1.358	1952
1953	1.308	1.460	1.484	1.867	1.830	1.511	1.183	1.005	0.843	0.888	0.888	0.989	1.282	1953
1954	1.225	1.424	1.867	1.902	2.016	1.763	1.420	1.188	1.206	1.411	1.388	1.496	1.506	1954
1955	1.497	1.469	1.867	2.003	1.867	1.476	1.181	1.048	1.052	1.008	1.184	1.271	1.388	1955
1956	1.274	1.249	1.238	1.612	1.909	1.883	1.287	1.041	0.958	0.944	0.918	0.982	1.259	1956
1957	1.343	1.373	1.360	1.396	1.330	1.247	1.189	1.003	0.824	0.858	0.848	1.171	1.174	1957
1958	1.448	1.323	1.309	1.821	1.823	1.571	1.246	1.147	1.055	1.110	1.277	1.283	1.378	1958
1959	1.433	1.530	1.619	1.823	1.880	1.339	1.143	0.950	0.884	0.842	1.226	1.557	1.382	1959
1960	1.485	1.389	1.338	1.920	1.810	1.408	1.136	0.995	0.938	0.884	1.084	1.087	1.285	1960
1961	1.214	1.251	1.550	1.504	1.704	1.476	1.274	1.115	1.055	0.995	0.978	1.044	1.283	1961
1962	1.207	1.218	1.202	1.734	1.744	1.325	1.081	1.088	1.025	1.126	1.248	1.309	1.274	1962
1963	1.252	1.351	1.284	1.829	1.851	1.428	1.103	1.009	1.013	0.840	1.003	1.285	1.287	1963
1964	1.342	1.488	1.328	1.835	1.531	1.268	1.035	0.917	0.903	0.884	0.878	1.008	1.173	1964
1965	1.238	1.288	1.140	1.211	1.298	1.107	0.958	0.825	1.002	1.163	1.282	1.448	1.189	1965
1966	1.580	1.387	1.571	1.724	1.853	1.484	1.119	0.824	0.822	0.850	0.923	1.128	1.254	1966
1967	1.184	1.318	1.288	1.854	1.707	1.520	1.283	1.114	1.066	1.127	1.248	1.389	1.318	1967
1968	1.520	1.430	1.485	1.889	1.887	1.435	1.283	1.073	1.008	0.879	1.087	1.459	1.355	1968
1969	1.624	1.545	1.452	1.987	2.141	1.766	1.350	1.174	1.103	1.059	1.278	1.407	1.488	1969
1970	1.544	1.557	1.520	1.902	2.041	1.488	1.088	0.852	0.810	0.990	1.124	1.308	1.349	1970
1971	1.513	1.503	1.652	1.858	2.194	1.728	1.201	0.973	1.109	1.073	0.973	1.284	1.411	1971
1972	1.404	1.387	1.401	1.851	2.348	1.882	1.683	1.511	1.285	1.108	1.325	1.510	1.583	1972
1973	1.726	1.610	1.648	2.152	1.985	1.819	1.779	1.447	1.289	1.293	1.245	1.458	1.689	1973
1974	1.783	1.745	1.740	1.982	2.118	1.768	1.470	1.288	1.200	1.186	1.231	1.471	1.584	1974
1975	1.483	1.383	1.477	1.788	1.888	1.489	1.142	1.009	1.042	1.318	1.584	1.585	1.438	1975
1976	1.512	1.748	2.048	2.283	2.076	1.785	1.481	1.548	1.498	1.584	1.822	1.577	1.726	1976
1977	---	---	---	2.157	1.877	1.390	1.118	1.045	1.148	1.781	1.884	1.832	---	1977
1978	1.788	1.825	1.446	2.127	2.128	1.713	1.372	1.138	1.005	1.007	1.021	0.867	1.440	1978
1979	1.386	1.491	1.828	2.084	1.887	1.635	1.189	1.041	1.179	1.220	1.311	1.464	1.481	1979
1980	1.402	1.193	1.158	1.813	1.558	1.241	1.048	1.044	1.085	1.131	1.185	1.393	1.253	1980
1981	1.443	1.808	1.820	1.744	1.588	1.378	1.139	1.184	1.263	1.571	1.777	1.554	1.501	1981
1982	1.515	1.431	1.481	1.995	1.948	1.498	1.238	1.058	0.895	1.041	1.082	1.203	1.374	1982
1983	1.245	1.378	1.488	1.828	2.275	1.974	1.413	1.231	1.150	1.100	1.277	1.825	1.514	1983
1984	1.803	1.838	1.881	1.880	1.982	---	---	---	---	---	---	---	---	1984
1985	---	---	---	---	---	---	---	---	---	---	---	---	---	1985
1986	1.324	1.363	1.527	2.080	1.881	1.512	1.303	---	---	---	1.388	1.400	---	1986
1987	---	---	---	---	---	---	---	---	---	---	---	1.488	---	1987
MOYEN	1.444	1.441	1.496	1.825	1.834	1.538	1.258	1.058	1.048	1.082	1.178	1.320	1.373	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 25.000 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1969)

LOCATION - LAT 45 23 42
LONG 73 15 22 DEBIT NATUREL

RICHELIEU (RIVIERE) EN AVAL DU BARRAGE FRYERS - STATION NO. 020JC13

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1939	---	2.310 LE 30 AVR	0.810 LE 17 OCT	1939
1940	---	2.124 LE 8 MAI	0.885 LE 18 OCT	1940
1941	---	1.795 LE 17 JAN	0.716E LE 25 SEP	1941
1942	---	1.981 LE 28 AVR	0.862 LE 20 SEP	1942
1943	---	2.133 LE 21 MAR	0.975 LE 15 OCT	1943
1944	---	2.033 LE 3 MAI	0.814 LE 30 NOV	1944
1945	---	2.091 LE 5 AVR	1.030 LE 17 SEP	1945
1946	---	1.917 LE 2 AVR	0.893 LE 30 SEP	1946
1947	---	2.283 LE 8 JUN	0.885 LE 31 OCT	1947
1948	---	1.981 LE 8 AVR	0.841E LE 3 OCT	1948
1949	---	1.832 LE 25 JAN	0.753 LE 14 AOU	1949
1950	---	1.957 LE 8 MAI	0.832 LE 3 NOV	1950
1951	---	2.138 LE 19 AVR	0.880 LE 12 OCT	1951
1952	---	2.085 LE 22 AVR	0.828 LE 17 NOV	1952
1953	---	2.039 LE 22 MAI	0.878 LE 28 OCT	1953
1954	---	2.118 LE 29 AVR	1.030 LE 28 AOU	1954
1955	---	2.222 LE 17 AVR	0.878 LE 9 AOU	1955
1956	---	2.017 LE 12 MAI	0.718 LE 18 NOV	1956
1957	---	1.582 LE 25 AVR	0.795 LE 3 NOV	1957
1958	---	2.149 LE 29 AVR	0.963 LE 17 SEP	1958
1959	---	2.045 LE 29 AVR	0.759 LE 2 OCT	1959
1960	---	2.081 LE 1 MAI	0.902E LE 2 SEP	1960
1961	---	1.885E LE 12 MAR	0.890 LE 22 OCT	1961
1962	---	1.920 LE 3 MAI	0.823 LE 28 SEP	1962
1963	---	2.118 LE 30 AVR	0.801E LE 8 NOV	1963
1964	---	1.792 LE 4 FEV	0.785 LE 1 DEC	1964
1965	---	1.591E LE 28 DEC	0.871 LE 11 AOU	1965
1966	---	1.984E LE 19 JAN	0.898 LE 17 SEP	1966
1967	---	1.813 LE 22 AVR	1.021 LE 25 SEP	1967
1968	---	1.989 LE 5 AVR	0.832 LE 13 NOV	1968
1969	---	2.274 LE 1 MAI	0.864 LE 22 OCT	1969
1970	---	2.258 LE 1 MAI	0.734 LE 14 SEP	1970
1971	---	2.301 LE 15 MAI	0.508 LE 24 NOV	1971
1972	---	2.578E LE 12 MAI *	0.314 LE 7 OCT *	1972
1973	---	2.261 LE 8 AVR	1.078 LE 16 NOV	1973
1974	---	2.252 LE 10 MAI	0.999 LE 22 NOV	1974
1975	---	2.024 LE 29 AVR	0.989 LE 6 AOU	1975
1976	---	2.472 LE 6 AVR	1.385 LE 20 DEC	1976
1977	---	2.282 LE 3 AVR	0.887 LE 11 AOU	1977
1978	---	2.307 LE 29 AVR	0.858E LE 14 OCT	1978
1979	---	2.216 LE 5 AVR	0.990 LE 13 AOU	1979
1980	---	1.710 LE 18 AVR	0.840 LE 16 AOU	1980
1981	---	2.130 LE 14 AVR	1.009 LE 7 AOU	1981
1982	---	2.248 LE 25 AVR	0.530E LE 15 SEP	1982
1983	---	2.416 LE 10 MAI	0.992E LE 6 OCT	1983
1984	---	---	---	1984
1985	---	---	---	
1986	2.306 LE 6 AVR A 2343 HNE *	2.244 LE 7 AVR	---	1986
1987	2.018 LE 10 AVR A 1100 HNE	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 25.000 m POUR OBTENIR LES COTES SERVICE GEODESIQUE DU CANADA (AJUST. LOCAL 1969)

E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

ROBERTSON (LAC) - STATION NO. 04MA006

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1970	---	---	---	---	---	---	29.57	---	29.55	29.70	29.75	---	---	1970
1971	---	---	---	---	30.75	---	30.12	30.20	30.25	30.37	30.47	---	---	1971
1972	---	---	---	---	30.80	30.24	30.08	30.05	30.22	30.32	---	---	---	1972
MOYEN	---	---	---	---	30.88	30.24	29.93	30.13	30.01	30.13	30.11	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 39 36
LONG 75 40 48 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

ROND (LAC) - STATION NO. 02RG018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1976	---	---	---	---	---	---	---	---	---	---	---	152.25R	---	1976
1977	152.25R	152.23R	152.22R	152.38R	152.40R	152.27R	152.20R	152.20R	152.18R	152.15R	152.12R	152.13R	152.23R	1977
1978	152.15R	152.27R	152.12R	152.21R	152.40R	152.24R	152.18R	152.14R	152.08R	152.08R	152.07R	152.11R	152.17R	1978
1979	152.17R	152.18R	152.26R	152.45R	152.45R	---	152.23R	---	---	---	152.07R	152.09R	---	1979
1980	152.10R	152.08R	152.08R	152.20R	152.17R	152.02R	151.95R	---	152.01R	152.08R	152.11R	152.18R	---	1980
1981	152.18R	152.24R	152.36R	152.41R	152.42R	152.33R	152.34R	152.26R	152.15R	152.14R	152.18R	152.20R	152.27R	1981
1982	152.21R	152.20R	152.17R	152.28R	152.43R	152.29R	152.20R	152.13R	152.10R	152.08R	152.15R	152.22R	152.21R	1982
1983	152.30R	152.33R	152.37R	152.59R	---	152.44R	152.28R	152.18R	152.14R	152.14R	152.14R	152.19R	---	1983
1984	152.17R	152.14R	152.15R	152.28R	152.30R	152.21R	152.19R	152.18R	152.07R	152.03R	152.03R	152.07R	152.15R	1984
1985	---	152.06	152.06	152.16	---	---	---	---	---	---	---	---	---	1985
MOYEN	152.19R	152.19R	152.20R	152.33R	152.37R	152.26R	152.20R	152.18R	152.10R	152.10R	152.11R	152.18R	152.21R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 21 57 BASSIN VERSANT, 0.26 km²
LONG 71 34 38 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

ROND (LAC) - STATION NO. 02RC018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1976	---	---	---	1976
1977	---	152.49R LE 25 AVR	152.10R LE 21 NOV	1977
1978	---	155.18R LE 13 FEV *	152.04R LE 29 SEP	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	152.48R LE 19 AVR	152.11R LE 8 OCT	1981
1982	---	152.48R LE 5 MAI	152.05R LE 3 NOV	1982
1983	---	---	---	1983
1984	---	152.38R LE 24 AVR	152.00R LE 31 OCT *	1984
1985	---	---	---	1985

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

ROUGE (RIVIERE) EN AVAL DE LA RIVIERE BEVIN - STATION NO. 02LC026

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	---	---	27.15	27.30	---	28.04	---	1966
1967	27.84	27.85	27.86	28.81	28.73	28.23	28.01	27.40	27.82	---	28.84	28.00	---	1967
1968	27.84	27.90	27.91	---	27.95	27.82	27.82	27.25	27.33	27.36	27.30	27.37	---	1968
1969	27.45	27.54	27.44	---	28.15	27.99	27.48	27.51	27.37	27.34	27.81	27.81	---	1969
1970	---	27.70	27.85	28.41	---	28.03	---	27.45	27.38	---	27.87	27.85	---	1970
1971	---	---	27.75	28.31	28.57	---	---	27.28	---	---	---	27.48	---	1971
1972	---	---	27.85	28.09	---	---	---	---	---	---	---	---	---	1972
MOYEN	27.68	27.70	27.87	28.43	28.85	27.97	27.67	27.38	27.37	27.33	27.81	27.73	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 58 12
LONG 74 38 05 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SABLES (LAC AUX) - STATION NO. 02PA009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1971	---	---	---	---	---	---	---	---	---	28.68	28.55	28.53	---	1971
1972	28.51	28.49	28.59	28.73	29.20	28.78	28.66	28.59	28.51	28.60	28.73	28.66	28.66	1972
1973	28.50	28.54	28.59	28.82	28.98	28.80	28.65	28.67	28.68	28.65	28.69	28.68	28.80	1973
1974	28.48	28.43	28.43	28.67	28.89	28.66	28.61	28.63	28.58	28.65	---	---	---	1974
1975	28.47	28.42	28.44	28.65	28.83	28.62	28.48	28.37	28.29	28.35	28.48	28.47	28.49	1975
1976	28.38	28.42	28.40	28.80	28.78	28.48	28.55	28.64	28.47	28.54	28.63	28.48	28.55	1976
1977	28.42	28.38	28.45	28.78	28.82	28.62	28.62	28.38	28.38	28.61	28.62	28.48	28.48	1977
1978	28.55	28.49	28.40	28.81	28.78	28.63	28.38	28.38	28.34	28.34	28.37	28.62	28.48	1978
1979	28.45	28.41	28.54	28.82	28.61	28.60	28.34	28.34	28.85	28.48	28.47	28.53	28.60	1979
1980	28.44	28.37	28.37	28.74	28.61	28.64	---	---	28.63	28.58	28.52	28.65	---	1980
1981	28.39	28.54	28.61	28.61	28.65	28.85	28.58	28.65	28.61	28.38	28.69	28.62	28.63	1981
1982	28.39	28.37	28.38	28.68	28.67	28.63	---	---	---	---	---	---	---	1982
MOYEN	28.46	28.44	28.47	28.78	28.78	28.54	28.48	28.45	28.45	28.49	28.62	28.48	28.53	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 52 05
LONG 72 23 20

BASSIN VERSANT, 59 0 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SABLES (LAC AUX) - STATION NO. 02PA009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1971	---	---	---	1971
1972	---	29.48 LE 9 MAI *	28.41 LE 25 SEP	1972
1973	---	29.15 LE 30 AVR	28.40 LE 5 AOU	1973
1974	---	---	---	1974
1975	---	29.08 LE 5 MAI	28.27 LE 11 SEP *	1975
1976	---	29.14 LE 24 AVR	28.38 LE 28 JAN	1976
1977	---	29.07 LE 24 AVR	28.38 LE 10 SEP	1977
1978	---	29.03 LE 30 AVR	28.30 LE 29 SEP	1978
1979	---	28.94 LE 30 AVR	28.32 LE 15 JUL	1979
1980	---	---	---	1980
1981	---	29.07 LE 7 AVR	28.34 LE 15 OCT	1981
1982	---	29.08 LE 29 AVR	28.34 LE 28 FEV	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SABLES (LAC DES) AU BARRAGE DES SABLES - STATION NO. 02LC018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	376.98	376.95	376.77	376.40	376.80	376.88	376.75	376.57	376.97	376.62	376.62	376.18	376.45	1984
1985	376.88	376.44	376.10	376.53	377.08	377.12	377.01	377.04	377.10	377.13	377.12	377.12	376.87	1985
1986	377.11	377.10	376.74	376.34	376.78	377.10	377.00	376.88	376.95	376.68	376.63	376.13	376.77	1986
1987	376.85	376.80	376.88	376.24	376.73	376.88	376.84	376.84	376.83	376.84	376.83	376.83	376.47	1987
1988	376.81	376.89	376.14	376.80	376.84	376.84	376.83	376.73	376.72	376.74	376.80	376.88	376.70	1988
1989	376.98	---	376.84	376.27	376.88	376.78	376.83	376.82	376.87	376.72	376.85	376.80	---	1989
1970	376.82	376.81	376.48	376.18	376.81	376.80	376.80	376.71	376.81	376.75	376.25	376.87	376.58	1970
1971	376.13	376.11	376.04	376.08	376.83	376.74	376.71	376.73	376.78	376.83	376.81	376.85	376.64	1971
1972	376.78	376.87	376.84	376.40	376.76	376.78	376.83	376.77	376.73	376.83	376.78	376.78	376.73	1972
1973	376.88	376.48	376.41	376.48	376.78	376.78	376.80	376.78	376.79	376.82	376.82	376.78	376.88	1973
1974	376.81	376.72	376.87	376.30	376.83	376.98	376.80	376.74	376.73	376.80	376.78	376.78	376.72	1974
1975	376.80	376.78	376.44	376.01	376.88	376.88	376.85	376.80	376.80	376.88	376.84	376.80	376.73	1975
1976	376.88	376.84	376.16	376.57	376.85	376.88	376.84	376.82	376.82	376.84	376.82	376.81	376.72	1976
1977	376.78	376.78	376.37	376.40	376.71	376.87	376.84	376.83	---	376.84	376.84	---	---	1977
1978	376.80	376.87	---	376.07	376.88	376.82	376.78	376.84	376.85	376.84	376.86	376.84	---	1978
1979	376.81	376.70	376.46	376.38	376.78	376.87	376.87	376.83	376.88	376.88	376.89	376.82	376.77	1979
1980	376.78	376.88	376.45	376.81	376.82	376.86	376.86	376.81	376.78	376.83	376.80	376.73	376.75	1980
1981	376.85	376.76	---	---	---	376.91	376.78	376.77	376.84	376.85	376.89	376.85	---	1981
1982	---	376.81	376.38	376.32	376.81	376.83	376.83	376.78	---	376.83	376.82	376.80	---	1982
1983	376.78	376.73	376.48	376.81	376.85	376.80	376.83	376.84	376.80	376.85	376.84	376.75	376.75	1983
1984	376.70	376.88	376.38	376.48	376.86	376.86	376.86	376.89	376.87	376.85R	376.83R	376.74R	376.78R	1984
1985	376.84	376.86	376.46	376.37	376.83	376.87	376.89	376.85	376.84	---	376.84R	376.74R	---	1985
1986	376.71	376.88	376.81	376.76	376.87	376.86	376.86	376.85	376.89	376.88R	376.79R	376.74R	376.79R	1986
1987	376.70	376.98	376.83	376.80	376.91	376.89	376.87	376.87	376.85	---	---	---	---	1987
MOYEN	376.86	376.83	376.37	376.40	376.78	376.86	376.84	376.81	376.78	376.78R	376.74R	376.89R	376.69R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 03 09 BASSIN VERSANT, 39.8 km²
LONG 74 16 33 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SABLES (LAC DES) AU BARRAGE DES SABLES - STATION NO. 02LC018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	376.97 LE 28 JAN	376.55 LE 5 NOV	1984
1985	---	377.16 LE 9 OCT	376.88 LE 24 MAR	1985
1986	---	377.16 LE 2 JAN	376.98 LE 31 DEC	1986
1987	---	377.13 LE 4 JUL	376.52 LE 26 MAR *	1987
1988	---	376.88 LE 30 AVR	376.94 LE 20 MAR	1988
1989	---	---	---	1989
1970	---	377.20 LE 2 MAI *	376.91 LE 8 DEC	1970
1971	---	376.91 LE 16 DEC	376.94 LE 4 AVR	1971
1972	---	377.05 LE 23 JUN	376.32 LE 13 AVR	1972
1973	---	376.93 LE 1 JUL	376.18 LE 12 AVR	1973
1974	---	377.13 LE 17 JUN	376.98 LE 13 AVR	1974
1975	---	376.94 LE 7 JUN	376.78 LE 14 AVR	1975
1976	---	376.97 LE 19 AVR	376.98 LE 24 MAR	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	377.01 LE 28 NOV	376.16 LE 16 MAR	1979
1980	---	376.98 LE 28 OCT	376.15 LE 29 MAR	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	376.96 LE 4 MAI	376.22 LE 5 AVR	1983
1984	---	376.98 LE 15 AOU	376.10 LE 3 AVR	1984
1985	---	---	---	1985
1986	---	377.00 LE 13 SEP	376.51 LE 7 AVR	1986
1987	---	376.95 LE 24 MAI	376.48 LE 25 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SABLES (RIVIERE AUX) AU RESERVOIR KENOGAMI - STATION NO. 02RH014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	33.66	31.76	28.89	28.61	31.21	34.73	34.78	34.46	33.77	-94.76	-94.41	-95.32	0.20	1967
1974	---	---	---	---	---	---	---	---	---	34.69	34.90	34.33	---	1974
1975	33.62	31.15	29.20	27.06	31.38	34.74	34.73	34.08	33.91	34.71	34.87	34.79	32.81	1975
1976	33.62	32.18	29.63	29.26	33.10	34.74	34.61	34.87	34.26	33.78	33.70	33.12	33.11	1976
1977	31.66	30.24	28.41	28.22	32.87	34.86	34.82	34.81	34.67	34.64	34.73	34.39	32.86	1977
1978	33.06	31.46	29.12	28.62	31.17	34.66	34.78	34.47	34.12	34.54	34.77	34.34	32.78	1978
1979	33.30	31.66	29.64	29.43	---	34.82	34.38	33.46	---	33.38	34.10	34.66	---	1979
1980	33.66	31.77	29.13	28.71	33.18	34.13	34.80	34.78	34.62	34.66	34.67	34.31	33.25	1980
1981	33.16	31.88	32.82	33.74	34.73	34.81	34.60	33.62	32.26	33.03	34.72	34.36	33.66	1981
1982	33.31	31.66	29.15	---	32.63	34.81	34.67	33.71	33.60	33.66	34.77	34.91	---	1982
1983	34.66	33.14	30.66	29.62	34.16	34.66	34.66	34.18	32.97	32.63	32.89	33.31	33.07	1983
1984	32.41	30.63	29.45	28.85	33.64	---	34.87	34.76	33.81	32.68R	32.62R	33.78R	---	1984
1985	33.24	31.66	29.26	27.10	32.67	34.93	34.98	34.62	33.66	33.64R	33.30R	32.77R	32.71R	1985
1986	31.42	30.18	28.48	29.34	34.66	34.88	34.87	34.76	34.76	34.90R	---	---	---	1986
MOYEN	33.10	31.49	29.66	28.81	32.85	34.78	34.71	34.36	33.69	24.77R	24.31R	24.12R	29.38R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 129.113 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 21 37 BASSIN VERSANT, 3 390 km²
LONG 71 18 37 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SABLES (RIVIERE AUX) AU RESERVOIR KENOGAMI - STATION NO. 02RH014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	34.87 LE 10 JUN	-95.78 LE 31 DEC *	1967
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	35.08 LE 26 JUN	26.53 LE 21 AVR	1976
1977	---	35.03 LE 17 AOU	26.44 LE 16 AVR	1977
1978	---	35.07 LE 27 OCT	27.26 LE 16 AVR	1978
1979	---	35.06 LE 26 JUN	26.91 LE 25 AVR	1979
1980	---	---	---	1980
1981	---	35.17 LE 16 AOU	27.25 LE 10 AVR	1981
1982	---	35.07 LE 25 JUN	31.53 LE 20 FEV	1982
1983	---	---	---	1983
1984	---	35.10 LE 19 JUN	27.89 LE 15 AVR	1984
1985	---	---	---	1985
1986	---	35.26 LE 27 JUL *	26.40 LE 16 AVR	1986

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 129.113 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SACACOMIE (LAC) - STATION NO. 020C009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1985	---	---	---	---	---	---	---	---	---	---	---	28.31R	---	1985
1986	28.29R	28.29R	28.30R	28.37R	28.82R	28.82R	28.86R	28.46R	28.30R	28.21R	28.34R	28.61R	28.43R	1986
1987	28.48R	28.48R	28.41R	28.33R	28.74R	28.78R	28.78R	28.54R	28.38R	28.44R	28.83R	28.34R	28.62R	1987
1988	28.26R	28.26R	28.23R	28.58R	28.77R	28.85R	28.81R	28.26R	28.09R	27.89R	27.31R	---	---	1988
1989	---	---	---	---	---	---	28.57	28.41	---	---	---	28.18	---	1989
1970	28.15	28.13	28.10	28.15	---	---	---	28.44	28.20	28.04	28.03	28.09	---	1970
1971	28.00	27.98	28.03	28.06	28.72	28.78	28.87	28.37	28.25	28.15	27.98	---	---	1971
1972	27.85	27.82	27.82	27.86	28.58	---	---	28.72	28.54	---	---	28.35	---	1972
1973	---	---	---	---	---	28.75	28.61	28.43	28.32	28.15	28.07	28.15	---	1973
1974	28.17	28.14	28.15	28.26	28.79	---	28.72	28.48	28.15	28.04	28.02	---	---	1974
1975	---	---	---	---	---	---	---	28.27	---	27.98	---	---	---	1975
1976	---	---	---	28.44	---	---	---	28.58	---	---	---	27.83	---	1976
1977	---	27.74	27.85	---	28.67	28.55	---	28.25	---	---	---	---	---	1977
1978	---	---	28.01	28.10	28.73	28.72	28.60	28.26	27.93	27.87	27.78	27.70	---	1978
1979	27.70	27.67	27.88	28.09	---	28.83	28.62	28.34	28.27	28.25	28.17	28.24	---	1979
1980	28.19	28.05	27.93	28.48	28.85	28.87	28.41	28.26	28.06	28.01	27.98	27.93	28.23	1980
1981	27.87	28.00	28.09	28.49	28.75	28.88	28.70	28.56	28.38	28.21	28.19	28.08	28.35	1981
1982	28.00	27.92	27.88	28.03	28.41	28.38	28.32	28.14	28.07	27.97	27.93	27.94	28.08	1982
1983	27.93	27.98	27.94	28.28	---	28.80	28.28	27.80	27.68	27.63	27.73	27.82	---	1983
1984	27.73	27.70	27.73	28.00	28.38	28.28	28.25	28.21	28.05	27.80R	27.68R	27.68R	27.98R	1984
1985	27.88	27.85	27.85	27.83	28.44	28.42	28.32	28.17	28.11	28.17R	28.20R	28.24R	28.08R	1985
1986	28.28	28.35	28.39	28.69	28.78	28.85	28.45	28.43	28.49	28.48R	28.38R	28.31R	28.48R	1986
1987	28.25	28.20	28.17	28.56	28.46	28.56	28.53	28.34	28.18	---	---	---	---	1987
MOYEN	28.05R	28 .1R	28.02R	28.28R	28.64R	28.64R	28.52R	28.35R	28.18R	28.08R	28.08R	28.10R	28.28R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 243.840 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 30 48 BASSIN VERSANT, 52.8 km²
LONG 73 12 48 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

SACACOMIE (LAC) - STATION NO. 020C009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	---	---	1965
1966	---	28.87R LE 12 JUN	28.18R LE 1 NOV	1966
1967	---	28.87R LE 22 MAI	28.27R LE 13 AVR	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	28.94 LE 2 MAI	27.90 LE 26 DEC	1980
1981	---	28.99 LE 27 JUN *	27.85 LE 29 JAN	1981
1982	---	28.47 LE 11 MAI	27.87 LE 27 FEV	1982
1983	---	---	---	1983
1984	---	28.48 LE 10 MAI	27.98R LE 27 NOV	1984
1985	---	28.49 LE 18 MAI	27.83 LE 26 MAR *	1985
1986	---	28.94 LE 25 MAI	28.24 LE 2 JAN	1986
1987	---	28.82 LE 9 AVR	28.13 LE 19 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 243.840 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

SAINT-JEAN (LAC) A ROBERVAL (PRES DE LA MARINA) - STATION NO. 02RG020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1986	---	---	---	---	---	---	---	---	---	---	---	4.49R	---	1986
1987	3.83	3.83	---	---	3.45	4.28	4.39	4.21	4.13	---	---	---	---	1987
MOYEN	3.83	3.83	---	---	3.45	4.28	4.39	4.21	4.13	---	---	4.49R	---	MOYEN

PLAN DE REFERENCE - *** INVALID DATUM CODE ***

LOCATION - LAT 48 31 40 BASSIN VERSANT, 73 000 km² DONNEES FOURNIES PAR -
LONG 72 13 23 REGULARISE CITE DE MAGOG

R - REVISEE DEPUIS JAN 1, 1986

SAGUENAY (RIVIERE) A LA CENTRALE DE LA CHUTE A CARON - STATION NO. 02RH017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	87.17	87.24	87.24	87.22	87.20	87.18	87.23	87.23	87.23	87.21	87.24	87.21	87.22	1983
1984	87.26	87.19	87.26	87.28	87.24	87.25	87.24	87.25	87.26	87.27	87.22	87.23	87.24	1984
1985	87.25	87.26	87.26	87.26	87.26	87.25	87.24	87.24	87.25	87.26	87.21	87.22	87.25	1985
1986	87.24	87.24	87.26	87.24	87.20	87.24	87.26	87.25	87.20	86.97	87.23	87.18	87.21	1986
1987	87.24	87.23	87.24	87.24	87.25	87.26	87.26	87.25	87.23	87.24	87.25	87.18	87.24	1987
MOYEN	87.23	87.23	87.25	87.24	87.23	87.24	87.25	87.24	87.23	87.19	87.23	87.20	87.23	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 27 02 BASSIN VERSANT, 73 800 km² DONNEES FOURNIES PAR -
LONG 71 18 16 REGULARISE LA COMPAGNIE ALUMINIUM DU CANADA

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	87.31 LE 15 JUN	86.48 LE 8 JAN	1983
1984	---	87.30 LE 16 MAI	86.45 LE 28 FEV *	1984
1985	---	87.30 LE 14 MAI	86.59 LE 30 NOV	1985
1986	---	87.29 LE 30 MAR	86.46 LE 9 OCT	1986
1987	---	87.32 LE 25 JUL *	86.53 LE 8 DEC	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAGUENAY (RIVIERE) A LA CENTRALE DE SHIPSHAW - STATION NO. 02RH018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	88.87	88.84	88.88	88.90	88.90	88.75	88.85	88.89	88.89	---	1977
1978	88.83	88.85	88.88	87.08	88.90	88.91	88.90	88.84	88.89	88.86	88.92	88.91	88.92	1978
1979	88.88	88.87	87.00	88.93	88.83	87.20	87.22	87.22	87.17	87.01	87.08	87.13	87.07	1979
1980	87.08	87.10	87.13	87.08	87.03	87.13	87.13	87.09	87.12	87.08	87.14	87.10	87.10	1980
1981	87.03	87.03	87.10	88.88	88.88	88.81	88.88	87.08	87.08	87.08	87.12	87.18	87.06	1981
1982	87.12	88.88	87.08	87.12	88.81	87.01	87.08	87.08	87.08	87.08	87.12	87.10	87.08	1982
1983	87.07	87.12	87.11	87.01	88.83	88.82	87.11	87.12	87.17	87.10	87.14	87.12	87.08	1983
1984	87.18	87.10	87.14	87.08	88.88	87.08	87.07	87.14	87.11	87.12	87.10	87.12	87.10	1984
1985	87.11	87.10	87.10	87.11	88.87	87.01	87.04	87.11	87.13	87.14	87.08	87.12	87.08	1985
1986	87.13	87.13	87.13	87.02	88.81	87.02	87.11	87.13	87.01	86.77	87.08	87.02	87.04	1986
1987	87.10	87.08	87.08	88.88	87.08	87.11	87.08	87.12	87.10	87.11	87.11	87.08	87.08	1987
MOYEN	87.08	87.08	87.08	87.02	88.88	87.02	87.08	87.08	87.08	87.03	87.07	87.07	87.08	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 28 28 BASSIN VERSANT, 73 800 km² DONNEES FOURNIES PAR -
LONG 71 12 38 REGULARISE LA COMPAGNIE ALUMINIUM DU CANADA

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	87.18 LE 13 AVR	88.30 LE 9 DEC	1978
1979	---	87.33 LE 22 JUL *	88.82 LE 8 JAN	1979
1980	---	87.24 LE 2 AVR	88.85 LE 28 JAN	1980
1981	---	87.31 LE 26 DEC	88.30 LE 21 FEV	1981
1982	---	87.23 LE 1 JAN	88.32 LE 20 FEV	1982
1983	---	87.32 LE 29 JAN	88.38 LE 8 JAN	1983
1984	---	87.22 LE 23 FEV	88.27 LE 26 FEV	1984
1985	---	87.31 LE 30 AVR	88.44 LE 30 NOV	1985
1986	---	87.18 LE 2 JAN	88.22 LE 8 OCT *	1986
1987	---	87.21 LE 26 DEC	88.38 LE 8 DEC	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAGUENAY (RIVIERE) EN AVAL DE LA CENTRALE DE SHIPSHAW - STATION NO. 02RH020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	3.55	5.25	3.84	3.25	3.48	2.63	3.28	3.27	3.20	---	1977
1978	3.36	3.39	3.14	3.01	4.30	4.54	3.62	3.33	3.20	3.25	3.07	2.74	3.41	1978
1979	2.82	2.78	2.71	3.47	4.68	4.71	3.38	3.73	3.73	4.08	3.51	3.47	3.81	1979
1980	3.40	3.37	3.32	3.82	3.87	3.20	3.42	3.86	3.27	4.48	3.37	3.20	3.54	1980
1981	3.34	3.28	3.73	4.08	4.95	4.65	3.59	3.34	3.11	3.15	2.73	2.81	3.57	1981
1982	2.86	2.68	2.99	3.07	4.68	3.98	3.48	3.17	3.14	3.26	3.41	3.32	3.35	1982
1983	3.30	3.24	3.38	3.80	5.95	4.86	3.32	3.22	3.18	3.78	3.82	3.21	3.74	1983
1984	3.10	3.18	3.32	3.77	5.18	4.08	3.86	3.33	3.34	3.25	3.01	3.08	3.54	1984
1985	3.12	3.12	3.20	3.10	4.20	4.20	3.96	3.37	3.18	3.08	3.00	2.86	3.37	1985
1986	3.02	3.03	3.05	3.78	4.63	3.48	3.18	3.10	3.84	3.87	3.11	3.02	3.38	1986
1987	3.11	3.07	3.11	3.76	3.22	3.17	3.18	3.11	3.07	3.07	3.28	3.04	3.18	1987
MOYEN	3.14	3.14	3.20	3.55	4.63	4.06	3.48	3.37	3.31	3.49	3.22	3.10	3.47	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 28 52
LONG 71 12 56

BASSIN VERSANT, 73 800 km²
REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

SAGUENAY (RIVIERE) EN AVAL DE LA CENTRALE DE SHIPSHAW - STATION NO. 02RH020

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	
1978	---	7.22 LE 15 JUN *	2.44 LE 28 DEC	1977
1979	---	5.83 LE 14 JUN	2.38 LE 5 MAR	1978
1980	---	5.34 LE 18 AOU	2.93 LE 24 JUN	1979
1981	---	6.62 LE 20 MAI	2.08 LE 30 NOV *	1980
1982	---	6.58 LE 20 MAI	2.58 LE 1 JAN	1981
1983	---	6.51 LE 9 MAI	2.75 LE 30 DEC	1982
1984	---	6.44 LE 30 MAI	2.77 LE 28 NOV	1983
1985	---	5.75 LE 27 JUL	2.78 LE 1 JAN	1984
1986	---	5.89 LE 8 MAI	2.78 LE 8 JAN	1985
1987	---	4.07 LE 9 AVR	2.81 LE 24 JUN	1986
				1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAGUENAY (RIVIERE) EN AVAL DE LA CHUTE A CARON - STATION NO. 02RH018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	18.05	18.95	18.03	17.31	18.05	18.12	17.83	17.88	17.87	---	1977
1978	17.85	17.89	17.36	17.20	19.29	18.70	18.11	18.14	17.37	18.40	17.83	17.17	18.01	1978
1979	17.26	17.31	17.42	18.88	18.83	17.20	17.10	17.11	17.18	17.88	17.88	18.14	17.83	1979
1980	17.78	17.73	17.89	18.00	18.21	17.80	17.82	17.78	17.73	18.38	18.32	17.44	17.80	1980
1981	17.42	17.34	18.08	18.32	18.87	18.77	18.07	17.81	17.18	17.20	17.18	17.12	18.11	1981
1982	17.08	17.07	17.08	17.11	20.12	20.17	18.83	17.08	17.53	18.21	18.84	17.97	18.18	1982
1983	17.75	17.88	17.89	18.86	20.88	18.86	17.30	17.70	17.78	18.85	18.30	17.38	18.42	1983
1984	17.85	18.84	18.74	18.78	20.32	19.89	18.90	18.50	17.84	17.80	17.58	17.87	18.51	1984
1985	17.48	17.44	17.45	17.83	20.07	20.25	18.43	18.95	18.43	17.70	17.84	17.45	18.33	1985
1986	17.48	17.48	17.52	18.86	20.08	17.84	17.37	17.81	18.88	18.38	17.76	17.41	18.15	1986
1987	17.38	17.38	17.53	18.81	17.42	17.37	17.42	17.48	17.40	17.45	18.03	17.83	17.68	1987
MOYEN	17.55	17.60	17.80	18.30	19.54	18.87	18.05	17.84	17.72	18.10	17.85	17.85	18.08	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 27 02
LONG 71 15 15

BASSIN VERSANT, 73 800 km²
REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE ALUMINIUM DU CANADA

SAGUENAY (RIVIERE) EN AVAL DE LA CHUTE A CARON - STATION NO. 02RH018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	
1978	---	20.07 LE 25 MAI	17.11 LE 1 JAN	1977
1979	---	20.25 LE 5 MAI	16.90 LE 3 JUL *	1978
1980	---	18.72 LE 17 NOV	18.93 LE 10 SEP	1979
1981	---	21.12 LE 20 MAI	17.11 LE 1 JAN	1980
1982	---	20.80 LE 30 MAI	17.04 LE 3 AOU	1981
1983	---	21.43 LE 2 JUN *	17.14 LE 12 JUL	1982
1984	---	20.69 LE 28 MAI	17.19 LE 13 JAN	1983
1985	---	20.48 LE 8 MAI	17.40 LE 9 MAR	1984
1986	---	20.58 LE 6 MAI	17.30 LE 3 JUN	1985
1987	---	20.04 LE 12 AVR	17.30 LE 13 JAN	1986
				1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-CHARLES (RIVIERE) AU BARRAGE DE CHATEAU D'EAU - STATION NO. 02PD008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1953	1.33	1.48	2.66	3.94	1.85	---	---	---	---	---	---	---	---	1953
1954	0.87	0.88	1.21	3.75	2.82	2.13	1.44	1.38	2.18	---	---	---	---	1954
1955	---	---	---	3.74	---	---	---	---	---	0.27	---	---	---	1955
1956	---	---	0.34	1.64	2.81	1.71	1.23	0.78	---	---	---	---	---	1956
1957	---	0.83	0.80	---	1.39	2.29	2.45	---	---	1.44	---	2.45	---	1957
1958	---	---	---	3.21	---	2.05	---	---	1.89	---	---	0.88	---	1958
1959	0.88	0.80	0.48	3.58	2.11	1.32	---	---	---	---	2.45	---	---	1959
1960	0.37	---	---	---	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	2.71	3.87	---	---	---	---	---	---	0.52	---	1961
1962	0.50	0.38	---	2.83	1.74	0.88	---	---	---	0.88	---	0.19	---	1962
1963	---	---	0.31	2.34	2.84	---	---	---	---	0.84	1.88	0.89	---	1963
1964	---	0.28	0.71	---	1.90	1.33	---	---	---	---	0.88	---	---	1964
1965	---	0.74	1.07	3.05	2.38	1.08	---	---	---	1.27	2.30	---	---	1965
1966	1.31	0.98	0.87	4.30	1.02	0.42	0.30	---	---	0.34	---	0.23	---	1966
1967	---	---	---	2.64	4.18	0.80	0.80	---	0.50	0.74	1.55	---	---	1967
1970	---	---	---	2.20	2.50	0.78	0.97	---	1.13	1.63	1.58	---	---	1970
1971	---	---	---	---	3.25	---	---	---	2.09	1.87	---	---	---	1971
1972	---	---	---	---	4.45	---	---	---	---	---	---	1.38	---	1972
1973	1.82	2.38	2.38	3.75	3.38	1.27	1.83	1.83	1.84	1.78	0.87	2.11	2.11	1973
MOYEN	0.98	0.83	1.10	3.12	2.64	1.35	1.29	1.35	1.80	1.08	1.82	1.08	2.11	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 51 37 BASSIN VERSANT, 339 km²
LONG 71 21 57 REGULARISE

DONNEES FOURNIES PAR -
VILLE DE QUEBEC

SAINT-CHARLES (RIVIERE) AU BARRAGE DE CHATEAU D'EAU - STATION NO. 02PD008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
		8.55 LE 24 AVR *	0.30 LE 20 JUL *	

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-CHARLES (RIVIERE) AU RESERVOIR SAINT-CHARLES - STATION NO. 02PD007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	2.48	2.46	2.21	1.88	2.45	2.50	2.52	2.52	2.53	2.48	2.46	2.47	2.41	1965
1966	2.49	2.50	2.25	2.02	2.41	2.45	2.50	2.48	2.50	2.48	2.48	2.44	2.42	1966
1967	2.46	2.38	2.08	1.80	2.28	2.50	2.51	2.51	2.51	2.50	2.41	2.52	2.38	1967
1968	2.51	2.48	2.28	2.18	2.42	2.49	2.50	2.50	2.48	2.48	2.48	2.51	2.44	1968
1969	2.50	2.43	2.01	1.74	2.33	2.48	2.48	2.48	2.41	2.49	2.45	2.47	2.38	1969
1970	2.51	2.51	2.23	1.78	2.26	2.48	2.22	2.28	2.48	2.51	2.42	2.47	2.38	1970
1971	2.44	2.28	1.95	1.71	2.23	2.42	2.47	2.48	2.48	2.47	2.38	2.51	2.32	1971
1972	---	---	---	1.51	2.44	---	---	---	---	---	---	---	---	1972
MOYEN	2.48	2.43	2.14	1.80	2.38	2.48	2.48	2.47	2.48	2.49	2.44	2.48	2.38	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 54 38 BASSIN VERSANT, 188 km²
LONG 71 23 20 REGULARISE

DONNEES FOURNIES PAR -
VILLE DE QUEBEC

SAINT-CHARLES (RIVIERE) AU RESERVOIR SAINT-CHARLES - STATION NO. 02PD007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---			
1966	---	2.58 LE 9 JAN	1.80 LE 4 AVR	1965
1967	---	2.70 LE 21 MAI	1.78 LE 7 AVR	1966
1968	---	2.71 LE 12 OCT	1.51 LE 26 AVR	1967
1969	---	3.20 LE 26 AVR *	1.83 LE 8 AVR	1968
		3.11 LE 10 MAI	1.48 LE 26 AVR	1969
1970	---			
1971	---	2.66 LE 3 MAI	1.40 LE 17 AVR *	1970
1972	---	2.59 LE 5 MAI	1.54 LE 2 AVR	1971
		---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-FRANCOIS (RIVIERE) A ASCOT - STATION NO. 020E004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1962	---	---	---	---	---	---	---	---	---	---	---	158.35	---	1962
1963	158.43	158.24	158.33	158.90	158.88	158.33	157.72	157.72	157.76	157.99	158.33	158.88	158.27	1963
1964	158.86	159.33	---	158.91	158.43	158.38	158.48	157.85	157.80	157.80R	158.09R	158.20R	---	1964
1965	158.84	159.27	158.77	158.87	158.24	158.18	158.00	157.81	157.88	158.11R	158.38R	158.24R	158.27R	1965
1966	159.15	159.15	159.10	158.62	158.03	157.92	157.85	158.28	158.08	158.24R	158.20R	158.28R	158.41R	1966
1967	158.46	159.16	158.98	158.53	157.95	158.20	157.95	157.74	157.99	---	---	---	---	1967
MOYEN	158.71	159.03	158.80	158.77	158.31	158.20	158.00	157.88	157.90	158.04R	158.24R	158.35R	158.35R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 26 47 BASSIN VERSANT, A 120 km²
LONG 71 45 58 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1968

SAINT-FRANCOIS (RIVIERE) A ASCOT - STATION NO. 020E004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	160.31 LE 15 DEC	157.82 LE 19 AOU	1983
1984	---	---	---	1984
1985	---	160.60 LE 25 FEV	157.50 LE 16 SEP *	1985
1986	---	160.46 LE 10 FEV	157.61 LE 22 JUN	1986
1987	---	160.81 LE 1 AVR *	157.58 LE 30 AVR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-FRANCOIS (RIVIERE) A BROMPTONVILLE - STATION NO. 020F009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	16.30	---	17.08	16.52	16.28	---	---	16.03	16.22	16.17	16.72	---	1967
1968	---	16.61	---	16.86	16.30	15.92	15.62	15.76	15.56	---	16.04	16.52	---	1968
1969	16.32	16.42	16.12	17.46	17.00	15.80	15.56	15.58	15.93	16.75	16.36	16.31	16.20	1969
1970	16.09	16.23	15.78	17.33	16.78	15.88	15.71	15.62	15.97	16.19	16.13	---	---	1970
1971	---	16.91	16.56	17.27	17.00	15.83	15.26	15.57	15.86	15.74	15.88	16.62	---	1971
1972	16.53	16.26	16.65	17.19	17.48	16.15	16.14	16.04	15.47	15.70	16.24	16.83	16.38	1972
1973	---	---	---	17.04	16.86	16.68	16.48	15.93	16.19	16.34	16.10	17.10	---	1973
1974	16.89	17.04	16.84	17.81	17.73	16.47	16.67	16.21	16.05	16.10	16.48	16.42	16.74	1974
1975	16.40	16.23	16.44	17.14	16.51	16.10	15.86	15.86	16.33	16.83	16.80	16.48	16.37	1975
1976	---	---	---	17.66	17.20	16.21	16.32	16.89	16.28	16.86	16.84	16.90	---	1976
1977	16.47	16.27	17.05	17.25	16.10	16.02	15.81	15.85	15.93	16.27	16.15	---	---	1977
1978	---	---	---	16.38	16.21	16.24	15.86	15.78	15.78	15.93R	15.88R	15.92R	---	1978
1979	---	---	16.46R	16.21R	16.11R	16.14R	15.73R	15.76R	15.91R	15.92R	16.03R	---	---	1979
1980	---	136.09	137.62	138.16	137.85	138.10	137.81	137.78	137.87	---	---	---	---	1980
MOYEN	16.47	26.84	28.97R	25.76R	25.41R	24.80R	25.32R	25.28R	24.98R	16.12R	16.22R	16.80R	16.43	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 121.920 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 28 30 BASSIN VERSANT, A 110 km²
LONG 71 58 18 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1968

SAINT-FRANCOIS (RIVIERE) A BROMPTONVILLE - STATION NO. 020F008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	18.87 LE 18 AVR	14.80 LE 17 AOU	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	19.45 LE 5 MAI	14.89 LE 26 JAN	1972
1973	---	---	---	1973
1974	---	19.86 LE 25 JAN *	14.89 LE 15 JAN	1974
1975	---	19.17 LE 20 AVR	14.77 LE 27 MAR *	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 121.920 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-FRANCOIS (RIVIERE) A DRUMMONDVILLE - STATION NO. 020F014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	---	24.92	24.86	24.83	---	---	---	1966
1967	---	---	---	---	---	---	24.82	25.00	24.85	---	24.86	---	---	1967
1968	---	---	---	---	---	24.86	24.81	24.79	24.89	24.75	24.87	---	---	1968
1969	---	25.58	25.48	26.32	26.94	24.96	24.94	---	---	24.78	25.32	25.21	---	1969
1970	25.58	25.71	25.49	---	---	---	24.88	24.84	24.94	24.87	24.87	25.24	---	1970
1971	25.44	25.64	25.89	26.10	25.77	24.74	24.88	24.87	25.23	24.84	24.73	25.43	25.29	1971
1972	25.87	25.89	26.02	26.23	26.18	---	---	---	---	---	---	---	---	1972
MOYEN	25.58	25.68	25.72	26.22	25.96	24.85	24.78	24.86	24.91	24.85	24.85	25.29	25.29	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 54 53 — BASSIN VERSANT, 6 830 km²
LONG 72 29 29 — REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-FRANCOIS (RIVIERE) A DRUMMONDVILLE - STATION NO. 020F014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	27.11 LE 6 MAI *	24.61 LE 28 JUL *	1971
1972	---	---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-FRANCOIS (RIVIERE) A RICHMOND-1 - STATION NO. 020F001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1915	---	---	---	21.84	---	21.35	21.40	21.42	21.39	21.33	21.39	---	---	1915
1916	22.30	22.34	22.10	23.05	21.94	22.17	---	21.56	21.37	21.52	21.47	22.28	---	1916
1917	22.22	21.88	22.19	---	22.10	22.52	---	---	---	---	21.40	21.85	---	1917
1918	21.87	21.75	22.12	23.28	21.82	21.46	21.24	21.00	21.32	21.98	22.20	21.79	21.80	1918
1919	22.52	21.98	22.78	22.82	21.86	21.27	20.95	20.87	21.08	21.46	21.93	21.73	21.77	1919
1920	21.54	21.56	22.56	23.28	21.75	21.06	21.20	---	21.26	21.45	21.50	22.17	---	1920
1921	22.80	22.55	23.13	22.00	21.36	21.20	21.14	21.16	21.14	21.28	21.56	22.27	21.81	1921
1922	22.17	22.14	22.82	22.85	21.56	22.12	21.56	21.44	21.21	21.26	21.30	21.80	21.87	1922
1923	22.04	21.82	21.92	23.76	22.45	21.56	21.31	21.20	21.21	21.41	21.69	21.80	21.86	1923
1924	22.89	22.72	22.86	---	22.20	21.28	21.28	21.46	22.08	21.36	21.63	22.17	---	1924
1925	22.08	---	22.86	22.05	21.82	21.81	21.38	21.56	21.74	22.32	22.34	22.56	---	1925
1926	22.82	22.24	22.31	23.22	22.72	21.62	21.31	21.22	21.26	21.47	21.82	22.07	21.96	1926
1927	22.23	22.12	22.78	21.61	21.80	21.63	21.24	21.16	21.18	21.43	23.16	22.43	21.82	1927
1928	---	22.66	22.72	23.61	22.62	21.80	21.27	21.34	21.41	22.12	21.82	21.98	---	1928
1929	22.69	22.26	23.28	23.17	22.62	21.61	21.49	21.36	21.28	21.43	21.63	21.99	22.06	1929
1930	23.03	22.86	23.04	23.06	22.26	21.86	21.56	21.26	21.26	21.17	21.33	21.66	22.02	1930
1931	21.61	21.63	22.13	22.41	21.77	21.66	21.34	21.36	21.60	21.36	21.56	22.15	21.74	1931
1932	22.50	22.66	22.66	23.57	21.74	21.43	21.42	21.40	21.26	21.56	21.96	22.12	22.02	1932
1933	22.33	22.20	22.43	24.43	22.71	21.33	21.27	21.29	21.16	21.26	21.69	22.24	22.03	1933
1934	22.23	22.02	22.40	24.13	21.76	21.36	21.22	21.21	21.23	21.22	21.76	22.19	21.86	1934
1935	22.96	22.51	22.66	23.17	22.17	22.05	21.31	21.22	21.26	21.36	21.46	22.00	22.01	1935
1936	22.26	22.20	24.07	22.96	22.81	21.37	21.41	21.26	21.53	21.66	21.96	22.72	22.16	1936
1937	24.09	23.66	23.51	23.81	22.63	21.66	21.46	21.40	21.26	21.54	21.64	22.00	22.36	1937
1938	22.33	22.26	22.72	22.76	21.80	21.36	21.46	21.49	21.66	21.49	21.46	22.16	21.91	1938
1939	22.00	21.91	22.24	23.62	22.62	21.60	21.37	21.54	21.36	21.77	21.73	21.96	22.00	1939
1940	22.27	22.16	22.17	23.71	22.60	21.43	21.40	21.27	21.23	21.31	21.61	22.37	21.86	1940
1941	22.86	22.43	22.16	23.09	21.41	21.31	21.39	21.30	21.22	21.32	21.86	21.98	21.81	1941
1942	22.30	22.37	22.66	23.64	22.07	22.32	21.37	21.27	21.26	21.43	21.70	22.41	22.06	1942
1943	22.46	22.46	22.77	22.86	22.74	22.31	21.59	21.59	21.42	21.46	21.76	22.22	22.16	1943
1944	22.31	22.19	22.36	23.06	22.16	21.37	21.36	21.27	21.37	21.62	21.83	21.74	21.86	1944
1945	22.44	22.24	23.46	22.56	22.53	21.62	21.53	21.29	21.86	22.22	21.76	22.56	22.16	1945
1946	22.89	22.41	23.43	22.[illegible]	22.06	21.64	21.33	21.31	21.29	21.47	21.71	22.31	21.97	1946
1947	23.01	23.21	22.96	23.16	23.33	22.43	21.56	21.40	21.40	21.30	21.26	21.81	22.23	1947
1948	21.86	21.77	22.77	22.27	22.46	21.39	21.36	21.26	21.19	21.13	21.46	21.86	21.71	1948
1949	22.33	22.57	23.00	22.50	21.57	21.36	21.27	21.21	21.21	21.36	21.41	21.99	21.80	1949
1950	22.77	22.44	22.60	23.26	21.58	21.44	21.34	21.36	21.40	21.44	21.67	22.17	21.96	1950
1951	22.33	22.67	22.46	23.61	21.66	21.36	21.34	21.27	21.31	21.30	21.67	21.87	21.81	1951
1952	22.24	21.88	21.98	23.40	21.82	22.12	21.30	21.28	21.27	21.41	21.40	21.72	21.82	1952
1953	22.86	22.86	23.16	22.33	21.97	21.36	21.43	21.26	21.26	21.30	21.30	22.00	21.90	1953
1954	22.16	22.47	22.46	23.17	22.19	22.30	21.31	21.32	21.99	22.86	21.84	22.36	22.16	1954
1955	23.20	23.11	23.40	23.90	21.88	21.47	21.21	21.26	21.16	21.19	21.39	21.82	22.06	1955
1956	22.02	21.73	21.82	23.02	22.54	21.66	21.30	21.18	21.31	21.36	21.33	21.89	21.76	1956
1957	22.26	22.11	22.38	22.01	21.72	21.33	21.41	21.26	21.33	21.34	21.67	22.66	21.76	1957
1958	22.24	22.36	22.16	23.44	21.68	21.38	21.78	21.70	21.48	21.86	21.67	22.40	21.96	1958
1959	22.68	22.68	22.68	23.63	21.60	21.86	21.46	21.38	21.32	21.66	22.28	22.40	22.13	1959
1960	22.46	22.43	22.12	24.10	21.91	21.68	21.34	21.33	21.34	21.39	21.46	21.80	21.83	1960
1961	21.98	22.06	22.46	23.02	22.66	22.02	21.62	---	21.47	21.26	21.43	21.89	---	1961
1962	22.26	22.17	22.32	23.26	21.98	21.38	21.31	21.46	21.28	21.79	22.11	---	---	1962
1963	22.63	22.46	22.63	23.60	22.26	21.26	21.27	21.87	---	---	22.10	22.36	---	1963
1964	22.28	22.00	22.20	22.66	21.66	21.39	21.31	21.22	21.24	21.19	21.60	21.96	21.72	1964
1965	22.16	22.16	22.03	21.82	21.46	21.26	21.07	21.46	21.58	22.11	21.90	21.67	21.74	1965
1966	22.32	22.30	22.67	22.56	21.84	21.46	21.31	21.40	21.40	21.63	21.64	21.91	21.86	1966
1967	22.70	22.63	22.52	22.66	22.08	21.63	21.44	21.61	21.60	21.66	21.69	22.20	22.04	1967
1968	22.46	22.26	22.81	22.46	21.64	21.49	21.46	21.34	21.26	21.26	21.46	22.17	21.86	1968
1969	22.43	22.67	22.46	23.62	23.17	21.61	21.67	21.46	21.60	21.39	22.04	21.63	22.12	1969
1970	22.31	22.37	22.24	23.66	23.33	21.44	21.24	21.20	21.60	21.46	21.66	21.67	22.00	1970
1971	22.46	22.19	22.67	23.26	23.26	21.64	21.16	21.66	21.67	21.60	21.36	22.02	22.10	1971
1972	22.67	22.63	22.66	22.66	23.42	21.90	21.63	21.77	21.20	21.36	21.67	22.27	22.27	1972
1973	23.71	23.46	23.77	22.44	22.42	22.12	21.76	21.30	21.66	21.76	21.66	22.64	22.37	1973
1974	23.30	22.72	---	---	---	---	---	---	---	---	---	---	---	1974
MOYEN	22.46	22.37	22.66	23.06	22.16	21.82	21.36	21.36	21.37	21.61	21.87	22.06	21.87	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 91.440 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 38 32 BASSIN VERSANT, 8 170 km²
LONG 72 08 37 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-FRANCOIS (RIVIERE) A RICHMOND-1 - STATION NO. 020F001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1915	---	---	---	1915
1916	---	---	---	1916
1917	---	---	---	1917
1918	---	25.10 LE 3 AVR	20.84 LE 28 AOU	1918
1919	---	25.14 LE 22 MAR	20.81 LE 3 AOU	1919
1920	---	---	---	1920
1921	---	25.82 LE 10 MAR	20.87 LE 4 JUL	1921
1922	---	25.32 LE 12 AVR	21.01 LE 2 OCT	1922
1923	---	25.18 LE 12 AVR	21.01 LE 11 AOU	1923
1924	---	---	---	1924
1925	---	---	---	1925
1926	---	---	---	1926
1927	---	25.39 LE 27 AVR	21.12 LE 1 AOU	1927
1928	---	27.03 LE 5 NOV	21.03 LE 26 SEP	1928
1929	---	---	---	1929
		26.07 LE 25 MAR	21.09 LE 29 JUL	
1930	---	25.14 LE 9 JAN	21.06 LE 20 OCT	1930
1931	---	23.92 LE 28 MAR	21.03 LE 23 AOU	1931
1932	---	25.32 LE 11 AVR	21.09 LE 30 JUN	1932
1933	---	25.87 LE 19 AVR	21.08 LE 4 SEP	1933
1934	---	25.86 LE 5 AVR	21.06 LE 18 AOU	1934
1935	---	25.87 LE 11 JAN	21.03 LE 11 AOU	1935
1936	---	26.04 LE 19 MAR *	21.09 LE 15 AOU	1936
1937	---	25.99 LE 16 JAN	21.03 LE 3 OCT	1937
1938	---	25.38 LE 24 MAR	21.15 LE 15 JUN	1938
1939	---	26.70 LE 23 AVR	21.21 LE 10 JUL	1939
1940	---	25.75 LE 13 AVR	20.97 LE 9 SEP	1940
1941	---	24.81 LE 16 AVR	21.01 LE 28 SEP	1941
1942	---	27.22 LE 18 JUN	20.88 LE 10 AOU	1942
1943	---	26.51 LE 17 JUN	20.88 LE 10 OCT	1943
1944	---	24.32 LE 26 AVR	20.96 LE 10 SEP	1944
1945	---	26.00 LE 19 MAR	21.08 LE 27 AOU	1945
1946	---	25.84 LE 16 MAR	21.09 LE 16 AOU	1946
1947	---	25.44 LE 6 MAI	21.09 LE 2 NOV	1947
1948	---	26.85 LE 21 MAR	20.89 LE 7 JUN	1948
1949	---	25.51 LE 29 MAR	21.00 LE 24 OCT	1949
1950	---	26.12 LE 8 AVR	21.08 LE 1 OCT	1950
1951	---	25.02 LE 4 AVR	21.04 LE 23 OCT	1951
1952	---	24.41 LE 11 AVR	20.83 LE 28 SEP	1952
1953	---	25.01 LE 26 MAR	20.84 LE 26 JUN	1953
1954	---	26.52 LE 3 MAR	20.88 LE 29 AOU	1954
1955	---	25.89 LE 18 AVR	20.96 LE 16 SEP	1955
1956	---	25.06 LE 30 AVR	20.83 LE 19 AOU	1956
1957	---	25.44 LE 22 DEC	20.86 LE 25 AOU	1957
1958	---	25.06 LE 23 AVR	21.12 LE 6 JUL	1958
1959	---	26.30 LE 4 AVR	21.05 LE 20 SEP	1959
1960	---	26.22 LE 19 AVR	21.04 LE 4 SEP	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	25.56 LE 16 AVR	20.74 LE 16 OCT	1964
1965	---	23.25 LE 6 MAR	20.99 LE 5 JUL	1965
1966	---	24.43 LE 26 MAR	21.03 LE 7 AOU	1966
1967	---	25.26 LE 3 AVR	21.09 LE 19 JUL	1967
1968	---	25.82 LE 23 MAR	21.14 LE 16 JUL	1968
1969	---	25.76 LE 17 AVR	20.98 LE 20 JUL	1969
1970	---	26.32 LE 26 AVR	21.14 LE 11 JUI	1970
1971	---	25.11 LE 24 AVR	18.60 LE 2 DEC *	1971
1972	---	26.38 LE 6 MAI	21.10 LE 29 SEP	1972
1973	---	25.87 LE 18 MAR	21.12 LE 25 AOU	1973
1974	---	---	---	1974

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 81.440 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-FRANCOIS (RIVIERE) A SHERBROOKE - STATION NO. 020E005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1915	---	---	---	---	19.70	19.19	19.16	19.08	19.04	19.13	19.32	---	---	1915
1916	---	20.27	19.93	20.89	20.29	20.62	19.79	19.82	19.30	19.40	19.47	19.88	---	1916
1917	---	---	---	21.13	20.32	20.88	19.72	19.84	19.32	19.89	19.84	---	---	1917
1918	---	---	20.24	21.38	---	19.81	19.37	19.14	19.58	20.44	---	19.80	---	1918
1919	---	19.89	20.56	21.20	20.29	19.54	19.09	18.96	---	19.71	20.26	20.08	---	1919
1920	---	19.56	---	---	20.22	---	19.52	---	---	---	---	20.18	---	1920
1921	---	19.78	21.17	20.19	19.31	19.02	18.99	18.97	---	19.13	19.45	---	---	1921
1922	---	19.56	20.30	21.14	19.57	20.28	19.52	---	19.08	19.13	19.23	---	---	1922
1923	---	19.32	---	21.20	---	---	---	---	19.98	19.14	---	---	---	1923
1924	---	---	---	20.83	20.29	19.22	---	19.36	19.98	---	---	---	---	1924
1925	---	---	---	---	19.83	19.98	19.20	19.42	19.88	20.42	---	---	---	1925
1926	20.31	---	20.09	20.82	---	---	---	19.00	19.88	19.37	19.77	19.84	---	1926
1927	19.78	19.72	---	---	---	19.85	19.88	19.78	19.80	19.11	20.95	---	---	1927
1928	---	20.08	---	---	---	20.01	19.03	---	---	---	---	---	---	1928
1929	---	19.85	20.86	---	---	---	---	---	19.14	---	19.39	19.34	---	1929
1930	---	20.50	20.13	---	20.43	20.08	19.61	19.10	19.08	19.03	19.26	19.83	---	1930
1931	19.32	19.38	---	20.80	19.78	19.45	---	---	19.29	---	---	19.71	---	1931
1932	---	20.01	---	21.35	19.72	---	19.36	19.27	19.18	---	19.60	19.58	---	1932
1933	19.51	19.59	19.60	22.16	---	19.36	19.10	---	19.85	19.12	19.86	19.97	---	1933
1934	19.86	---	20.22	22.09	19.84	19.43	19.06	18.99	19.98	---	19.87	19.73	---	1934
1935	20.16	19.70	20.03	20.75	20.47	20.55	19.29	19.01	19.08	19.19	19.44	19.53	19.76	1935
1936	---	19.63	21.78	21.07	20.85	19.19	19.29	19.08	19.47	19.94	20.02	20.24	---	1936
1937	20.34	19.87	19.74	21.13	20.83	19.61	19.32	19.30	19.04	19.40	19.80	19.73	19.82	1937
1938	19.88	20.18	20.53	20.83	19.87	---	19.41	19.25	19.84	19.37	19.38	20.03	---	1938
1939	19.72	19.77	20.04	21.06	20.98	19.85	19.24	19.50	---	19.87	19.72	19.78	---	1939
1940	19.58	19.54	19.50	21.24	20.81	19.40	19.32	19.07	19.01	19.16	19.79	20.08	19.71	1940
1941	20.18	19.78	19.57	20.87	19.28	19.16	---	19.14	18.99	19.12	19.41	---	---	1941
1942	---	19.91	20.10	21.66	20.09	20.32	19.28	19.10	19.05	19.28	19.81	---	---	1942
1943	---	---	20.33	20.72	20.84	20.33	19.54	19.53	19.33	---	---	---	---	1943
1944	19.87	19.81	19.93	20.93	---	19.16	19.19	18.99	19.18	---	---	19.38	---	1944
1945	20.00	19.78	21.11	20.80	20.74	19.88	19.58	19.10	19.54	20.23	19.75	---	---	1945
1946	---	20.52	21.23	20.15	20.10	19.40	19.09	19.07	19.04	19.45	19.70	---	---	1946
1947	20.18	---	---	21.21	21.48	20.50	---	19.32	19.23	19.08	19.09	---	---	1947
1948	---	---	20.35	20.38	20.84	---	19.14	19.03	18.95	18.84	19.39	19.28	---	1948
1949	19.83	19.44	---	20.82	19.57	19.24	19.08	18.95	---	---	19.27	19.68	---	1949
1950	---	---	20.08	20.93	---	19.37	19.18	19.18	19.24	19.34	19.60	20.08	---	1950
1951	20.10	---	20.00	21.70	19.76	19.30	19.28	---	19.17	19.19	19.54	19.78	---	1951
1952	19.91	19.82	19.57	---	19.83	20.19	---	19.22	19.12	19.31	---	19.43	---	1952
1953	19.88	---	20.38	20.42	20.04	19.28	19.38	19.09	---	19.21	19.33	20.01	---	1953
1954	---	20.13	19.80	---	20.32	20.43	19.30	19.38	20.10	20.78	19.78	---	---	1954
1955	---	---	---	---	21.90	19.98	19.50	19.09	19.15	---	19.12	19.41	---	1955
1956	19.81	19.38	19.31	---	20.88	19.60	19.25	19.14	---	19.41	19.32	---	---	1956
1957	---	20.63	20.12	20.13	19.74	19.30	19.43	---	19.23	19.26	19.82	20.80	---	1957
1958	20.06	---	19.88	21.45	19.72	19.37	19.82	---	---	---	19.84	---	---	1958
1959	---	20.30	20.14	21.54	19.54	19.83	19.35	19.23	19.12	19.49	20.31	---	---	1959
1960	---	19.81	---	22.04	19.80	---	19.14	---	---	---	---	---	---	1960
1961	19.47	19.69	19.87	21.05	20.66	20.08	19.40	---	---	19.08	19.31	---	---	1961
1962	---	---	---	21.05	19.87	19.24	19.24	19.36	19.08	19.88	20.14	20.17	---	1962
1963	20.91	20.23	20.26	21.73	---	19.21	19.17	19.83	19.46	---	20.28	20.13	---	1963
1964	20.09	20.00	20.29	20.81	19.69	19.48	19.13	19.05	19.05	19.01	19.34	19.82	19.84	1964
1965	19.96	19.80	19.54	19.82	19.26	19.05	18.89	19.24	19.58	20.28	19.95	19.74	19.59	1965
1966	19.92	19.81	20.47	20.76	19.83	19.18	19.03	---	---	19.32	19.30	20.14	---	1966
1967	20.07	19.76	19.74	20.88	20.33	19.46	19.69	19.80	19.82	19.84	19.95	20.18	19.98	1967
1968	20.10	19.90	20.83	20.43	19.57	19.51	19.25	19.14	19.01	19.08	19.38	20.84	19.73	1968
1969	20.38	20.89	19.90	21.77	21.40	20.01	19.61	19.32	19.90	19.58	20.40	20.20	20.26	1969
1970	20.40	19.91	19.88	21.38	21.33	19.55	19.08	18.90	19.82	19.42	19.22	19.72	19.88	1970
1971	19.84	20.05	19.93	21.00	20.73	19.27	19.06	19.17	19.43	19.31	19.33	19.89	19.74	1971
1972	20.00	19.92	20.08	20.89	21.18	19.85	19.55	19.88	19.29	19.31	19.38	19.86	19.89	1972
1974	---	---	---	21.83	22.44	19.43	19.80	19.75	19.49	---	---	---	---	1974
1976	---	---	---	21.38	20.85	19.43	---	---	---	20.00	---	---	---	1976
1977	---	19.98	20.84	21.31	19.73	---	---	---	---	---	---	20.01	---	1977
1978	---	---	---	21.22	20.44	20.11	19.21	18.91	18.82	19.15	19.28	19.32	---	1978
1979	20.36	20.34	21.19	20.84	19.79	19.58	18.75	18.89	19.17	19.29	19.36	19.88	19.78	1979
1980	19.80	19.27	19.36	19.95	19.48	19.05	18.99	19.10	19.27	19.53	19.48	---	---	1980
1981	19.83	20.63	19.38	20.21	19.53	19.60	---	---	---	19.82	19.73	19.38	---	1981
1982	---	19.78	20.07	22.18	---	19.44	19.08	---	---	19.13	19.50	19.78	---	1982
1983	19.84	20.00	19.84	21.04	20.84	19.84	18.85	18.83	18.80	19.08	20.09	20.86	19.85	1983
1984	19.84	20.18	19.98	20.84	19.98	20.04	19.89	19.01	18.83	18.88R	19.06R	19.38R	19.85R	1984
1985	20.08	19.96	20.02	20.84	19.86	19.35	19.09	18.83	18.88	19.27R	19.68R	19.70R	19.81R	1985
1986	19.98	20.12	20.86	20.58	19.38	19.13	18.84	19.81	19.32	19.63R	19.46R	20.01R	19.71R	1986
1987	19.53	19.85	19.98	20.30	19.18	19.68	19.13	18.78	18.02	---	---	---	---	1987
MOYEN	19.98	19.91	20.16	21.02	20.18	19.85	19.27	19.20	19.22	19.43R	19.52R	19.88R	19.79R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 121.920 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 24 11 BASSIN VERSANT, 5 980 km²
LONG 71 53 14 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAINT-FRANCOIS (RIVIERE) A SHERBROOKE - STATION NO. 020E005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1915	---	---	---	1915
1916	---	---	---	1916
1917	---	---	---	1917
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	---	---	1921
1922	---	---	---	1922
1923	---	---	---	1923
1924	---	---	---	1924
1925	---	---	---	1925
1926	---	---	---	1926
1927	---	---	---	1927
1928	---	---	---	1928
1929	---	---	---	1929
1930	---	---	---	1930
1931	---	---	---	1931
1932	---	---	---	1932
1933	---	---	---	1933
1934	---	---	---	1934
1935	---	22.69 LE 10 JAN	18.70 LE 3 SEP	1935
1936	---	---	---	1936
1937	---	22.28 LE 21 MAI	18.71 LE 12 SEP	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	23.38 LE 4 MAI	18.85 LE 3 SEP	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	24.48 LE 8 MAR *	18.71 LE 2 AOU	1964
1965	---	21.40 LE 25 SEP	18.80 LE 19 JUL	1965
1966	---	---	---	1966
1967	---	23.42 LE 3 AVR	19.00 LE 2 NOV	1967
1968	---	23.14 LE 28 MAR	18.80 LE 18 JUL	1968
1969	---	24.00 LE 18 AVR	18.14 LE 13 AOU	1969
1970	---	24.29 LE 25 AVR	18.75 LE 13 AOU	1970
1971	---	22.81 LE 8 MAI	18.84 LE 10 JUL	1971
1972	---	22.74 LE 5 MAI	19.08 LE 27 AOU	1972
1974	---	---	---	1974
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	23.62 LE 8 MAR	18.50 LE 13 JUL *	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	23.80 LE 15 DEC	18.88 LE 5 SEP	1983
1984	---	23.36 LE 1 JUN	18.50R LE 15 OCT	1984
1985	---	22.32 LE 17 AVR	18.51 LE 18 SEP	1985
1986	---	23.43 LE 1 AVR	18.55 LE 13 JUL	1986
1987	---	23.75 LE 2 AVR	18.55 LE 2 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 121.920 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

SAINT-FRANCOIS (RIVIERE) AU BARRAGE LAROCQUE - STATION NO. 020FO10

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1980	---	---	---	---	---	---	---	---	---	138.05	138.04	---	---	1980
1981	---	138.14	137.94	---	138.05	138.08	137.87	137.84	137.81	138.12	---	137.88	---	1981
1982	---	---	138.17	138.49	138.09	137.84	137.69	137.73	---	137.79	137.92	137.98	---	1982
1983	137.10	136.74	137.43	138.23	138.22	138.05	137.85	137.46	136.58	136.75	136.18	136.26	137.56	1983
1984	137.97	---	---	138.41	138.13	138.05	138.02	137.71	137.87	137.62R	137.60R	137.98R	---	1984
1985	138.05	138.17	138.17	138.31	138.03	137.92	137.81	137.71	137.72	137.91R	138.08R	137.93R	137.98R	1985
1986	138.00	138.05	138.33	138.17	137.93	137.84	137.85	138.00	137.85	137.97R	137.81R	137.98R	137.97R	1986
1987	137.84	137.82	138.11	138.10	137.78	137.86	137.78	137.61	137.70	---	---	---	---	1987
MOYEN	137.78	137.81	138.03	138.29	138.03	137.87	137.78	137.74	137.55	137.74R	137.98R	138.02R	137.84R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 28 41 BASSIN VERSANT, 8 110 km²
LONG 71 57 11 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAINT-FRANCOIS (RIVIERE) AU BARRAGE LAROCQUE - STATION NO. 020FO10

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	138.03 LE 15 DEC	136.17 LE 11 SEP *	1983
1984	---	---	---	1984
1985	---	138.97 LE 17 AVR	137.47 LE 16 SEP	1985
1986	---	139.23 LE 31 MAR *	137.45 LE 13 JUL	1986
1987	---	138.94 LE 31 MAR	137.34 LE 7 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-FRANCOIS (RIVIERE) AU RESERVOIR AYLMER - STATION NO. 020EO25

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	47.23	47.12	46.78	46.95	48.15	48.09	48.04	47.87	47.57	47.36	47.80	47.95	47.80	1972
1973	48.05	47.86	47.17	47.61	48.11	47.98	47.59	47.26	47.83	47.53	47.50	47.69	47.68	1973
1974	47.61	47.58	47.49	47.79	48.01	47.86	47.82	47.53	47.16	47.22	47.40	47.59R	47.59R	1974
1975	47.19	46.79	46.26	46.02	47.31	47.95	47.77	47.52	47.39	47.56	47.67	47.71	47.28	1975
1976	46.87	46.89	46.45	47.65	47.89	47.59	47.70	---	---	47.67	47.16	46.86	---	1976
1977	46.54	45.92	45.88	47.22	47.67	47.72	47.72	47.59	47.49	47.93	47.64	47.08	47.20	1977
1978	46.99	46.46	---	---	---	---	---	---	---	---	46.83	46.75	---	1978
1979	46.95	47.14	46.91	46.86	47.76	47.73	47.52	47.39	47.62	46.80	46.84	---	---	1979
1980	---	---	---	47.30	47.83	47.87	47.71	47.61	47.72	47.87	47.76	47.77	---	1980
1981	46.78	46.86	47.15	47.95	47.72	47.61	47.89	---	47.59	47.77	47.97	47.06	---	1981
1982	46.38	46.01	45.77	46.99	47.82	47.83	47.39	47.31	47.61	46.81	46.97	47.62	47.03	1982
1983	47.55	47.09	46.77	47.07	46.01	47.95	47.61	47.25	46.86	47.45	47.91	48.09	47.47	1983
1984	47.70	46.92	46.20	46.83	47.70	46.00	47.89	47.24	46.95	46.20R	46.58R	46.89R	47.11R	1984
1985	47.18	46.39	46.35	46.28	47.44	47.76	47.73	47.35	47.32	47.72R	47.85R	46.88R	47.20R	1985
1986	---	46.56	46.10	47.17	47.87	47.80	47.78	47.72	47.68	47.67R	47.68R	47.70R	---	1986
1987	46.80	46.03	45.82	47.40	47.13	47.79	47.82	47.48	47.38	---	---	---	---	1987
MOYEN	47.12	46.77	46.51	47.14	47.73	47.81	47.73	47.48	47.42	47.40R	47.45R	47.43R	47.35R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 200.268 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 45 37 BASSIN VERSANT, 1 710 km²
LONG 71 24 23 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAINT-FRANCOIS (RIVIERE) AU RESERVOIR AYLMER - STATION NO. 020EO25

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	48.49 LE 8 MAI	46.55 LE 17 MAR	1972
1973	---	48.27 LE 6 FEV	46.80 LE 8 MAR	1973
1974	---	48.59 LE 2 MAI	47.06 LE 6 SEP	1974
1975	---	48.12 LE 5 JUN	46.64 LE 17 AVR	1975
1976	---	---	---	1976
1977	---	48.01 LE 12 OCT	45.38 LE 10 MAR *	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	48.65 LE 3 MAI *	45.53 LE 23 MAR	1982
1983	---	48.36 LE 6 MAI	46.86 LE 6 AVR	1983
1984	---	48.41 LE 3 JUN	45.38 LE 31 MAR	1984
1985	---	48.01R LE 18 NOV	46.76 LE 22 FEV	1985
1986	---	---	---	1986
1987	---	47.93 LE 10 JUN	45.47 LE 23 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 200.268 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINT-FRANCOIS (RIVIERE) AU RESERVOIR SAINT-FRANCOIS - STATION NO. 020E024

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1972	46.81	46.41	46.57	46.76	49.57	49.52	49.56	49.85	48.95	48.83	49.40	49.62	48.13	1972
1973	48.82	48.89	47.10	48.37	49.40	49.37	49.17	48.40	48.98	49.33	48.89	49.27	48.81	1973
1974	48.91	47.83	47.08	48.24	49.66	49.51	49.41	49.16	48.35	47.52	47.47	47.88	48.42	1974
1975	47.12	46.59	46.36	46.75	48.68	49.53	49.17	48.84	48.82	49.02	49.43	49.11	47.90	1975
1976	48.03	47.16	46.82	48.01	---	---	---	49.58	49.08	49.36	49.12	48.47	---	1976
1977	46.88	46.42	46.41	48.26	49.16	49.14	---	48.59	48.43	49.46	49.47	48.87	---	1977
1978	47.73	48.46	46.33	46.85	49.27	49.13	---	---	---	48.53	49.01	47.83	---	1978
1979	47.06	46.80	46.59	48.70	---	49.56	48.76	---	48.93	48.31	48.27	48.73	---	1979
1980	47.82	48.41	46.58	---	49.25	49.17	49.36	49.16	49.10	48.57	49.50	49.50	---	1980
1981	48.04	---	---	48.54	49.45	49.46	49.08	49.16	48.71	48.62	49.37	49.10	---	1981
1982	47.86	48.06	46.76	47.24	49.31	48.94	48.67	48.49	49.01	48.69	48.92	49.46	48.17	1982
1983	49.33	48.20	48.61	48.49	48.48	48.24	48.48	48.39	---	47.51	---	48.83	---	1983
1984	46.98	46.78	46.78	48.70	48.96	48.80	49.05	48.47	48.36	48.32R	48.11R	48.19R	47.58R	1984
1985	47.58	45.30	46.79	46.79	48.58	48.62	48.49	48.40	48.42	48.51R	49.03R	48.63R	47.71R	1985
1986	47.00	47.10	46.78	47.73	48.84	48.80	48.54	48.69	48.57	48.84R	48.83R	48.79R	48.00R	1986
1987	47.85	48.42	43.43	---	---	49.37	49.22	48.72	47.78	---	---	---	---	1987
MOYEN	47.87	48.31	46.20	47.40	49.18	49.22	49.02	48.84	48.68	48.71R	48.90R	48.70R	48.09R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 240.178 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 58 42
LONG 71 18 42

BASSIN VERSANT, 1 200 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

SAINT-FRANCOIS (RIVIERE) AU RESERVOIR SAINT-FRANCOIS - STATION NO. 020E024

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1972	---	50.20 LE 8 MAI	44.24 LE 17 MAR	1972
1973	---	49.62 LE 26 DEC	46.50 LE 11 MAR	1973
1974	---	50.52 LE 2 MAI *	46.58 LE 4 AVR	1974
1975	---	49.68 LE 11 JUN	43.53 LE 14 AVR *	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	49.69 LE 26 AVR	44.36 LE 13 MAR	1982
1983	---	---	---	1983
1984	---	49.46 LE 2 JUN	44.32 LE 22 MAR	1984
1985	---	49.32R LE 18 NOV	44.12 LE 29 MAR	1985
1986	---	48.97R LE 7 DEC	44.23 LE 20 MAR	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 240.178 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

SAINT-FRANCOIS (RIVIERE) EN AVAL DU RESERVOIR AYLMER-1 - STATION NO. 020E070

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	43.64R	43.52R	43.62R	---	1982
1983	43.71R	43.77R	43.71R	43.81R	44.08R	43.82R	43.46R	43.41R	43.46R	43.60R	43.63R	43.63R	43.72R	1983
1984	43.78R	43.80R	43.73R	43.78R	43.82R	43.81R	---	---	43.51R	43.48R	43.56R	43.56R	---	1984
1985	43.79	43.83	43.80	43.82	43.48	43.84	43.50	43.44	43.43	43.52R	43.71R	43.78R	43.64R	1985
1986	43.75	43.80	43.86	43.71	43.50	43.83	43.51	43.74	43.59	43.64R	43.63R	---	---	1986
1987	---	43.76	43.82	43.83	43.41	43.82	43.56	43.47	43.67	---	---	---	---	1987
MOYEN	43.76R	43.80R	43.76R	43.78R	43.82R	43.88R	43.51R	43.53R	43.53R	43.58R	43.65R	43.72R	43.68R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 200.268 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 45 35
LONG 71 24 25

BASSIN VERSANT, 1 710 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

SAINT-FRANCOIS (RIVIERE) EN AVAL DU RESERVOIR AYLMER-1 - STATION NO. 020E070

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	44.71R LE 3 MAI *	43.24R LE 9 AVR *	1983
1984	---	---	---	1984
1985	---	44.09 LE 29 AVR	43.29 LE 8 SEP	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 200.268 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

SAINT-FRANCOIS (RIVIERE) EN AVAL DU RESERVOIR AYLMER-2 - STATION NO. 02DE071

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	42.76R	42.61R	42.78R	43.01R	---	42.83R	42.34R	42.29R	42.30R	42.88R	42.80R	---	---	1977
1978	42.84R	---	42.71R	42.98R	42.90R	42.57R	---	---	---	42.57R	42.81R	42.72R	---	1978
1979	---	---	---	43.02R	---	42.74R	42.41R	42.58R	42.68R	42.88R	42.80R	---	---	1979
1980	---	42.68R	---	---	42.49R	42.37R	42.20R	42.43R	42.60R	---	---	42.84R	---	1980
1981	---	---	42.58R	42.88R	42.54R	42.59R	42.55R	42.77R	42.82R	42.77R	42.88R	42.70R	---	1981
1982	42.85R	42.82R	42.70R	43.13R	42.93R	42.45R	42.38R	42.38R	42.42R	42.47R	42.47R	42.80R	42.64R	1982
1983	42.56R	42.84R	42.58R	42.85R	43.08R	42.87R	42.38R	42.40R	42.40R	42.48R	42.82R	43.08R	42.68R	1983
1984	42.73R	42.77R	42.65R	42.81R	42.83R	42.60R	42.81R	42.44R	42.25R	42.34R	42.63R	42.63R	42.61R	1984
1985	42.81	42.88	42.79	42.95	42.54	42.41	42.55	42.41	42.43	42.55R	42.72R	42.72R	42.64R	1985
1986	---	42.65	43.04	42.91	42.53	42.49	42.64	42.78	42.81	42.70R	42.85R	42.82R	---	1986
1987	42.72	42.79	---	---	42.49	42.66	42.59	42.47	42.57	---	---	---	---	1987
MOYEN	42.76R	42.77R	42.73R	42.97R	42.68R	42.58R	42.48R	42.50R	42.47R	42.60R	42.85R	42.75R	42.64R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 200.288 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 44 56 LONG 71 24 38 — BASSIN VERSANT, 1 720 km² REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1988

SAINT-FRANCOIS (RIVIERE) EN AVAL DU RESERVOIR AYLMER-2 - STATION NO. 02DE071

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	44.39R LE 29 AVR *	42.11R LE 25 MAI	1982
1983	---	43.88R LE 5 MAI	42.10R LE 1 NOV	1983
1984	---	43.84R LE 1 JUN	42.02R LE 12 OCT *	1984
1985	---	43.58 LE 18 AVR	42.17 LE 14 SEP	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 200.288 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINT-JEAN (LAC) A LA POINTE SCOTT - STATION NO. 02RG013

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	100.62	99.85	99.90	---	---	101.47	101.28	---	---	101.38	101.22	101.02	---	1983
1984	100.80	99.82	99.86	99.18	101.11	101.58	---	101.44	100.91	---	---	100.76	---	1984
1985	100.63	99.80	99.83	97.77	---	101.85	101.43	---	100.24	100.34	---	100.75	---	1985
1986	100.33	99.63	99.80	99.28	101.25	101.49	101.23	---	101.25	101.29	101.26	101.01	---	1986
1987	100.45	99.84	99.48	99.88	100.02	100.78	---	100.73	100.67	101.08	101.43	101.13	---	1987
MOYEN	100.57	99.73	99.85	98.30	100.78	101.40	101.31	101.09	100.77	101.01	101.30	100.84	---	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 31 34 LONG 72 13 47 — BASSIN VERSANT, 73 000 km² REGULARISE — DONNEES FOURNIES PAR - LA COMPAGNIE ALUMINIUM DU CANADA

SAINT-JEAN (LAC) A ROBERVAL - STATION NO. 02RG010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1980	100.14	99.16	99.27	98.12	99.46	101.56	101.21	101.55	101.58	101.58	101.52	101.51	100.48	1980
1981	100.32	99.38	99.88	98.84	100.72	101.72	---	101.28	100.53	100.44	100.56	100.39	---	1981
1982	100.11	---	---	---	---	---	---	---	---	---	---	---	---	1982
MOYEN	100.19	99.27	99.53	98.48	100.10	101.65	101.21	101.42	101.05	101.01	101.04	100.95	100.48	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 31 34 LONG 72 13 17 — BASSIN VERSANT, 73 000 km² REGULARISE — DONNEES FOURNIES PAR - LA COMPAGNIE ALUMINIUM DU CANADA

SAINT-JEAN (LAC) A ROBERVAL - STATION NO. 02RG010

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1980	---	101.74 LE 10 AOU *	97.84 LE 13 AVR *	1980
1981	---	---	---	1981
1982	---	---	---	1982

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-JEAN (LAC) A SAINT-GEDEON - STATION NO. 02RG003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1981	100.35	99.41	98.98	98.88	100.77	101.75	101.68	101.31	100.58	100.50	100.62	100.43	100.45	1981
1982	100.17	99.88	98.59	97.77	100.43	101.72	101.58	101.26	101.18	---	101.37	101.42	---	1982
1983	100.82	99.98	98.91	98.21	100.88	101.47	101.28	100.88	100.73	101.36	101.23	101.01	100.55	1983
1984	100.58	99.82	98.87	98.18	101.08	101.59	101.42	101.44	100.83	---	100.85	100.78	---	1984
1985	100.83	99.81	98.84	97.77	98.84	101.84	101.43	101.14	100.23	100.35	100.84	100.78	100.25	1985
1986	100.33	99.53	98.81	98.27	101.23	101.48	101.23	101.13	101.28	101.31	101.28	101.01	100.57	1986
1987	100.48	99.84	98.48	98.87	100.02	100.78	---	100.73	100.88	101.07	101.44	101.14	---	1987
MOYEN	100.48	99.88	98.70	98.29	100.58	101.48	101.43	101.10	100.80	100.92	101.08	100.93	100.48	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 32 30 — BASSIN VERSANT, 73 000 km² — DONNEES FOURNIES PAR -
LONG 71 48 50 — REGULARISE — LA COMPAGNIE ALUMINIUM DU CANADA

SAINT-JEAN (LAC) A SAINT-GEDEON - STATION NO. 02RG003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1981	---	101.83 LE 17 JUN *	98.14 LE 3 AVR	1981
1982	---	---	---	1982
1983	---	101.87 LE 15 JUN	97.82 LE 13 AVR	1983
1984	---	---	---	1984
1985	---	101.74 LE 4 JUN	97.87 LE 14 AVR *	1985
1986	---	101.78 LE 25 MAI	98.00 LE 18 AVR	1986
1987	---	---	---	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-JEAN (LAC) PRES DE SAINT-HENRI-DETAILLON - STATION NO. 02RG002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1981	---	---	---	---	---	---	---	---	100.81	---	100.64	100.43	---	1981
1982	100.17	99.88	98.59	97.78	100.44	101.73	101.57	101.24	101.17	101.00	101.38	101.42	100.52	1982
1983	100.84	99.98	98.91	98.20	---	101.48	---	---	---	---	---	101.02	---	1983
1984	100.80	99.82	98.88	98.18	---	---	---	---	100.94	---	---	100.77	---	1984
1985	100.83	99.81	98.85	97.78	99.85	101.85	---	101.15	100.24	100.38	100.85	100.75	---	1985
1986	100.33	99.53	98.81	98.28	101.24	101.48	101.25	101.14	101.28	101.32	101.28	101.00	100.57	1986
1987	100.44	99.84	---	98.87	100.03	100.78	---	100.75	100.89	---	101.47	101.14	---	1987
MOYEN	100.50	99.73	98.88	98.20	100.34	101.43	101.41	101.07	100.82	100.88	101.12	100.93	100.55	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 38 20 — BASSIN VERSANT, 73 000 km² — DONNEES FOURNIES PAR -
LONG 71 51 00 — REGULARISE — LA COMPAGNIE ALUMINIUM DU CANADA

SAINT-JEAN (LAC) PRES DE SAINT-HENRI-DETAILLON - STATION NO. 02RG002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1981	---	---	---	1981
1982	---	101.83 LE 5 JUN *	97.85 LE 17 AVR *	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	101.78 LE 25 MAI	98.01 LE 18 AVR	1986
1987	---	---	---	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-JOSEPH (LAC) - STATION NO. 02LC039

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1971	80.87	80.78	80.71	80.88	81.45	81.07	80.85	80.80	80.81	80.84	81.13	81.25	81.00	1971
1972	81.18	80.87	80.83	81.00	81.58	81.38	81.24	81.04	81.05	81.08	81.11	81.08	81.14	1972
1973	81.02	81.02	81.16	81.45	---	---	81.13	81.08	---	---	---	---	---	1973
MOYEN	81.02	80.82	80.83	81.14	81.58	81.22	81.11	81.01	80.88	81.00	81.12	81.17	81.07	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 58 15 — DEBIT NATUREL — DONNEES FOURNIES PAR -
LONG 74 20 10 — MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-JOSEPH (LAC) - STATION NO. 02LC038

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1971	---	81.74 LE 8 MAI	80.82 LE 4 AVR *	1971
1972	---	82.02 LE 8 MAI *	80.85 LE 10 AVR	1972
1973	---	---	---	1973

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A BATISCAN - STATION NO. 02PA005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1901	---	---	---	---	4.51	3.86	3.15	2.85	2.72	2.86	2.71	---	---	1901
1913	---	---	---	---	---	3.67	3.15	2.89	2.78	3.02	3.08	---	---	1913
1914	---	---	---	---	---	3.16	2.98	2.89	2.85	2.82	---	---	---	1914
1915	---	---	---	---	3.85	3.10	2.89	2.74	2.87	2.72	2.74	---	---	1915
1916	---	---	---	---	---	4.22	3.38	2.98	2.80	2.91	---	---	---	1916
1917	---	---	---	---	---	4.12	3.85	3.37	2.93	3.11	---	---	---	1917
1918	---	---	---	---	---	3.50	---	2.91	3.01	3.29	---	---	---	1918
1919	---	---	---	---	4.82	---	3.32	3.03	2.86	3.08	---	---	---	1919
1920	---	---	---	---	3.96	3.26	3.05	---	---	2.78	---	---	---	1920
1921	---	---	---	---	3.86	3.13	2.88	2.70	2.80	2.80	---	---	---	1921
1922	---	---	---	---	4.14	3.83	3.21	2.93	2.76	2.71	---	---	---	1922
1923	---	---	---	---	---	3.83	2.95	2.74	---	---	---	---	---	1923
1924	---	---	---	---	---	3.70	3.11	2.93	2.89	3.11	---	---	---	1924
1925	---	---	---	---	3.84	3.44	3.08	2.88	2.87	2.81	---	---	---	1925
1926	---	---	---	---	4.40	3.83	3.18	2.85	2.87	2.78	---	---	---	1926
1927	---	---	---	---	---	3.45	3.28	3.01	2.73	2.87	---	---	---	1927
1928	---	---	---	---	5.15	4.14	3.47	3.19	3.09	3.43	---	---	---	1928
1929	---	---	---	---	4.98	---	3.54	3.15	2.88	3.03	---	---	---	1929
1930	---	---	---	---	4.14	3.86	3.73	3.24	2.94	2.85	---	---	---	1930
1931	---	---	---	---	3.35	3.11	2.79	2.68	2.85	2.80	---	---	---	1931
1932	---	---	---	---	3.61	3.14	3.02	2.97	3.10	3.30	---	---	---	1932
1933	---	---	---	---	4.31	3.30	2.85	2.75	2.81	2.84	---	---	---	1933
1934	---	---	---	---	4.08	3.24	2.81	2.40	2.36	2.38	---	---	---	1934
1935	---	---	---	---	3.40	3.06	2.93	2.86	2.85	2.48	---	---	---	1935
1936	---	---	---	---	4.52	3.64	2.84	---	2.82	2.88	---	---	---	1936
1937	---	---	---	---	4.22	3.33	2.85	2.86	2.74	2.77	---	---	---	1937
1938	---	---	---	---	4.08	3.22	2.87	2.98	2.84	2.87	---	---	---	1938
1939	---	---	---	---	---	3.53	---	3.17	2.82	2.88	---	---	---	1939
1940	---	---	---	---	4.10	3.88	3.18	2.78	2.79	2.86	---	---	---	1940
1941	---	---	---	---	3.37	2.90	2.79	2.68	2.70	2.82	---	---	---	1941
1942	---	---	---	---	3.85	3.48	2.85	2.79	2.70	2.71	---	---	---	1942
1943	---	---	---	---	---	---	3.50	3.28	---	3.10	---	---	---	1943
1944	---	---	---	---	3.77	3.11	2.98	2.88	2.82	2.86	---	---	---	1944
1945	---	---	---	---	---	3.88	3.18	2.94	2.88	3.37	---	---	---	1945
1946	---	---	---	---	3.80	3.31	2.93	2.85	2.71	2.88	---	---	---	1946
1947	---	---	---	---	5.24	5.08	---	3.31	3.08	2.85	---	---	---	1947
1948	---	---	---	---	3.80	3.31	3.04	2.91	2.78	2.73	---	---	---	1948
1949	---	---	---	---	3.68	3.07	2.91	2.88	2.83	2.83	---	---	---	1949
1950	---	---	---	---	3.83	3.33	3.01	2.84	2.77	2.74	---	---	---	1950
1951	---	---	---	---	4.20	3.32	3.26	3.01	2.90	3.01	---	---	---	1951
1952	---	---	---	---	4.30	3.87	3.24	3.18	3.00	3.05	---	---	---	1952
1953	---	---	---	---	3.80	3.18	2.98	2.85	2.79	2.73	---	---	---	1953
1954	---	---	---	---	4.11	3.79	3.23	2.98	---	3.52	---	---	---	1954
1955	---	---	---	---	3.97	3.32	2.89	2.89	---	2.87	---	---	---	1955
1956	---	---	---	---	3.85	3.59	3.16	3.02	3.09	3.02	---	---	---	1956
1957	---	---	---	---	3.23	3.08	3.47	---	---	2.84	---	---	---	1957
1958	---	---	---	---	---	3.27	2.90	2.88	3.78	2.80	---	---	---	1958
1960	---	---	---	---	---	---	3.34	---	---	---	2.87	---	---	1960
1961	3.13	---	3.28	---	3.58	3.24	3.12	---	2.94	2.78	---	---	---	1961
1962	---	3.21	3.09	3.78	3.45	2.81	2.72	2.71	---	2.75	2.89	2.84	---	1962
1963	2.89	2.89	2.94	3.89	---	---	---	2.83	2.87	2.84	---	---	---	1963
1964	3.15	3.11	3.21	3.22	---	---	2.84	2.81	2.41	2.49	2.82	2.87	---	1964
1965	2.73	2.82	2.74	2.90	3.08	2.81	2.47	2.59	2.72	3.27	3.17	3.08	2.88	1965
1966	3.21	3.18	3.54	---	3.35	3.00	2.87	2.78	2.86	2.85	2.88	3.30	---	1966
1967	3.14	3.25	3.06	3.86	3.72	3.19	3.03	2.78	2.72	3.22	3.87	---	---	1967
1968	---	---	---	4.06	3.23	2.91	2.93	2.81	2.87	2.83	2.89	3.00	---	1968
1969	---	---	3.17	4.15	4.28	3.49	3.25	3.18	3.03	2.83	3.28	3.13	---	1969
1970	3.03	3.07	3.00	3.80	4.02	3.32	3.13	3.06	2.98	3.10	3.14	3.27	3.28	1970
1971	3.16	3.38	3.38	4.12	4.43	3.19	2.83	2.84	2.95	2.87	2.82	2.88	3.24	1971
1972	2.83	2.87	3.33	4.05	4.72	3.87	3.75	3.80	3.35	3.45	3.68	3.52	3.58	1972
1973	3.54	3.88	---	4.52	4.63	3.90	3.86	3.46	3.26	3.33	3.19	3.38	---	1973
1974	3.32	3.32	3.78	4.50	5.28	4.40	3.68	3.32	3.13	3.07	3.37	3.48	3.72	1974
1975	3.26	3.18	3.52	4.11	4.12	---	2.89	2.85	2.87	3.08	3.28	---	---	1975
1976	3.32	3.52	3.95	5.13	4.84	3.88	3.86	3.47	3.23	3.38	3.21	---	---	1976
1977	3.24	3.01	3.68	4.23	---	3.09	2.79	2.80	3.01	3.84	3.33	3.42	---	1977
MOYEN	3.14	3.19	3.31	4.03	4.04	3.45	3.11	2.83	2.84	2.92	3.08	3.15	3.33	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 30 02
LONG 72 14 49

REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A BATISCAN - STATION NO. 02PA005

NIVEAUX EXTREMES ANNUELS EN METRE, POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1901	---	---	---	1901
1913	---	---	---	1913
1914	---	---	---	1914
1915	---	---	---	1915
1916	---	---	---	1916
1917	---	---	---	1917
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	---	---	1921
1922	---	---	---	1922
1923	---	---	---	1923
1924	---	---	---	1924
1925	---	---	---	1925
1926	---	---	---	1926
1927	---	---	---	1927
1928	---	---	---	1928
1929	---	---	---	1929
1930	---	---	---	1930
1931	---	---	---	1931
1932	---	---	---	1932
1933	---	---	---	1933
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	3.69 LE 24 OCT	1.92 LE 28 MAR *	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	4.79 LE 7 MAI	2.40 LE 18 MAR	1970
1971	---	5.44 LE 25 AVR	2.48 LE 2 AOU	1971
1972	---	5.15 LE 17 MAI	2.3[illegible] LE 9 FEV	1972
1973	---	---	---	1973
1974	---	5.52 LE 26 MAI *	2.74 LE 25 OCT	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A CAP-A-LA-ROCHE - STATION NO. 02PK001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	---	---	---	---	---	---	---	2.18	---	2.84	---	---	1983
1984	---	2.84	2.70	---	2.80	2.25	2.18	1.98	1.85	---	1.85	---	---	1984
1985	---	2.19	2.12	2.28	2.40	2.08	1.83	2.02	2.13	2.80	2.49	2.38	---	1985
1986	2.53	2.48	2.84	2.93	2.67	2.42	---	---	2.10	---	---	2.82	---	1986
1987	2.51	2.53	2.42	3.11	3.01	2.57	2.40	2.18	2.15	---	2.82	2.71	---	1987
1988	3.08	2.82	2.78	3.27	2.57	2.31	2.30	2.18	2.24	2.23	2.43	2.37	2.53	1988
1989	2.39	2.68	2.51	3.35	3.46	2.80	2.81	2.51	2.42	2.21	2.80	---	---	1989
1990	---	2.40	2.38	3.16	3.25	2.67	2.50	2.43	2.37	2.48	2.80	2.84	---	1990
1991	2.41	2.65	2.71	3.34	3.59	2.51	2.22	2.23	2.33	2.27	2.24	2.28	2.58	1991
1992	2.14	2.23	2.86	3.25	3.84	3.16	3.01	2.86	2.87	2.73	2.82	2.75	2.85	1992
1993	2.89	2.89	3.53	3.68	3.89	3.12	2.82	2.77	2.59	2.85	2.61	2.83	2.87	1993
1994	2.83	2.83	3.01	3.66	4.33	3.55	2.95	2.83	2.48	2.40	2.71	2.80	2.98	1994
1995	2.59	2.48	2.84	3.38	3.34	2.86	2.37	2.27	2.27	2.43	2.81	---	---	1995
MOYEN	2.65	2.63	2.71	3.22	3.22	2.69	2.48	2.37	2.29	2.44	2.63	2.67	2.78	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.052 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 33 48
LONG 72 08 23 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A CAP-A-LA-ROCHE - STATION NO. 02PK001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	---	---	1988
1989	---	4.48 LE 22 JAN	1.59 LE 8 JAN	1989
1990	---	---	---	1990
1991	---	---	---	1991
1992	---	4.80 LE 25 AVR	1.77 LE 12 DEC	1992
1993	---	4.31 LE 16 MAI	1.44 LE 8 FEV *	1993
1994	---	4.89 LE 19 MAR	2.01 LE 19 DEC	1994
1995	---	4.71 LE 25 MAI *	1.98 LE 2 FEV	1995
1996	---	---	---	1996

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.052 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A CHAMPLAIN - STATION NO. 02PA004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	2.84	2.82	2.84	2.87	3.08	---	---	1982
1983	3.20	3.22	3.25	4.17	3.43	2.84	2.78	2.83	2.89	2.83	3.33	3.18	3.17	1983
1984	---	3.38	3.45	3.45	3.28	2.85	---	2.72	2.59	2.82	---	---	---	1984
1985	---	3.13	3.00	3.11	3.23	2.81	2.79	2.79	2.83	3.48	3.41	3.35	---	1985
1986	3.48	3.48	3.84	3.82	3.83	3.24	---	---	2.87	2.88	3.11	3.58	---	1986
1987	3.43	3.61	3.38	4.17	4.02	3.60	3.28	2.98	---	---	3.88	3.72	---	1987
1988	4.28	3.78	3.83	4.38	3.47	3.15	3.17	3.04	3.11	3.06	3.23	3.27	3.48	1988
1989	3.44	3.64	3.44	4.45	4.59	3.78	3.62	3.42	3.27	3.05	3.50	3.39	3.82	1989
1990	3.32	3.35	3.28	4.19	4.31	3.67	3.28	3.31	3.21	3.33	3.37	3.53	3.51	1990
1991	3.42	3.67	3.84	---	4.75	3.44	3.05	3.06	3.18	3.09	3.03	3.13	---	1991
1992	3.14	3.28	3.50	4.34	5.04	4.14	4.06	3.88	3.62	3.71	3.93	3.61	3.87	1992
1993	3.83	3.98	4.68	4.82	---	---	3.95	3.73	3.55	3.59	3.44	3.63	---	1993
1994	3.62	3.61	4.07	4.81	5.62	4.70	3.95	3.59	3.38	3.31	3.80	3.71	4.00	1994
1995	3.53	3.44	3.61	4.40	4.40	3.61	3.23	3.09	3.10	3.30	3.50	3.52	3.60	1995
1996	3.83	3.84	---	---	4.84	3.87	---	---	---	3.61	3.49	3.25	---	1996
1997	3.55	---	3.84	---	---	---	3.00	---	3.23	3.50	---	3.89	---	1997
MOYEN	3.53	3.53	3.65	4.18	4.20	3.54	3.32	3.18	3.13	3.26	3.42	3.48	3.61	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.043 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 26 25
LONG 72 20 25 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A CHAMPLAIN - STATION NO. 02PA004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1962	---	---	---	1962
1963	---	4.86 LE 7 AVR	2.38 LE 1 AOU *	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	5.73 LE 22 JAN	2.57 LE 16 OCT	1968
1969	---	5.02 LE 19 AVR	2.70 LE 6 OCT	1969
1970	---	5.09 LE 7 MAI	2.69 LE 18 MAR	1970
1971	---	---	---	1971
1972	---	5.47 LE 11 MAI	2.78 LE 9 FEV	1972
1973	---	---	---	1973
1974	---	5.93 LE 26 MAI *	3.01 LE 25 OCT	1974
1975	---	5.34 LE 26 AVR	2.81 LE 15 SEP	1975
1976	---	---	---	1976
1977	---	---	---	1977

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.043 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A CONTRECOEUR - STATION NO. 020J021

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1934	---	---	---	---	---	---	---	4.30	4.24	4.23	---	---	---	1934
1935	---	---	---	---	---	4.92	4.94	4.85	4.47	4.35	---	---	---	1935
1936	---	---	---	---	---	5.85	4.78	4.48	4.47	4.73	---	---	---	1936
1961	---	---	---	---	---	---	4.94	4.89	---	4.52	4.24	---	---	1961
1962	5.83	5.87	5.15	5.82	5.14	4.38	4.22	4.23	4.15	4.23	4.38	4.73	4.81	1962
1963	5.85	5.36	5.03	5.73	4.73	4.22	4.07	4.15	4.24	4.13	4.52	4.78	4.71	1963
1964	5.48	5.17	5.04	4.82	4.48	4.22	4.10	4.02	3.94	3.89	3.94	---	---	1964
1965	4.87	5.18	4.64	4.38	4.49	3.88	3.84	4.21	4.39	5.02	4.91	4.88	4.57	1965
1966	5.10	5.14	5.80	5.55	5.07	4.73	4.40	4.58	4.47	4.41	4.63	5.35	5.09	1966
1967	5.38	---	5.83	5.00	5.88	5.14	4.89	4.55	4.50	5.09	5.78	5.59	---	1967
1968	6.47	5.85	5.70	6.15	5.10	4.74	4.85	4.73	4.80	4.89	4.64	---	---	1968
1969	---	5.87	5.35	6.32	5.35	5.56	5.27	5.17	4.95	4.87	5.18	5.22	---	1969
1970	5.41	5.28	5.08	5.88	5.03	5.23	5.08	4.98	4.80	4.95	5.03	5.52	5.27	1970
1971	5.87	6.13	5.76	6.39	5.55	5.14	4.85	4.85	4.78	4.85	4.53	4.72	5.32	1971
1972	4.84	5.32	5.84	6.26	5.93	5.81	5.87	5.88	5.40	5.44	5.72	5.81	5.74	1972
1973	6.39	6.34	6.87	6.80	6.70	6.09	5.80	5.48	5.29	5.33	5.18	5.38	5.97	1973
1974	5.44	5.41	6.04	6.72	7.48	---	---	---	5.08	5.02	5.25	5.43	---	1974
1975	---	---	5.71	6.25	6.16	5.53	4.88	---	4.78	4.99	---	5.53R	---	1975
1976	6.17	6.47	---	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	---	---	---	---	---	---	---	---	1977
1978	5.97	---	---	---	---	5.38	4.99	4.80	4.71	4.75	4.55	---	---	1978
1979	5.17	5.21	5.86	---	6.51	5.48	4.99	4.93	5.16	---	5.42	5.88	---	1979
1980	5.23	5.09	5.21	5.95	5.66	4.96	5.01	5.15	5.21	5.38	5.31	---	---	1980
1981	---	---	---	6.13	5.55	5.37	---	5.07	5.26	5.35	5.53	5.15	---	1981
1982	5.07	5.20	5.18	---	5.89	5.03	4.85	4.89	4.89	4.84	4.85	5.25	---	1982
1983	5.08	5.33	5.53	5.98	---	---	---	---	4.75	4.75	5.23	5.40	---	1983
1984	5.09	5.40	5.58	---	5.93	5.66	5.39	---	5.04	---	---	---	---	1984
1985	5.82	5.89	---	---	---	5.18	---	5.19	4.99	4.88	5.04	---	---	1985
1986	5.06	---	---	---	---	5.55	5.36	5.48	5.43	5.49	5.46	---	---	1986
1987	---	---	---	---	5.17	5.17	5.00	4.75	4.67	---	---	5.10	---	1987
MOYEN	5.64	5.67	5.51	5.94	5.77	5.13	4.88	4.77	4.77	4.79	4.98	5.27R	5.19	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 51 28
LONG 73 14 35 REGULARISE

DONNEES FOURNIES PAR -
SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1986

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A CONTRECOEUR - STATION NO. 020J021

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1934	4.58 LE 31 JUL	---	---	1934
1935	6.00 LE 4 MAI A 1000 HNE	---	---	1935
1936	7.39 LE 21 MAI A 2030 HNE	---	---	1936
1961	6.09 LE 4 MAI A 1742 HNE	---	---	1961
1962	6.78 LE 15 JAN	6.69 LE 15 JAN	3.92 LE 9 SEP	1962
1963	6.97 LE 6 AVR	6.94 LE 6 AVR	3.83 LE 31 JUL	1963
1964	6.03 LE 30 JAN	---	---	1964
1965	5.62 LE 11 FEV	5.52 LE 11 FEV	3.67 LE 29 MAR *	1965
1966	7.53 LE 3 FEV	7.46 LE 2 FEV	4.24 LE 27 SEP	1966
1967	7.42 LE 2 FEV A 2342 HNE	---	---	1967
1968	7.74 LE 28 JAN A 1220 HNE	---	---	1968
1969	7.32 LE 15 JAN A 2345 HNE	---	---	1969
1970	6.80 LE 8 MAI	6.75 LE 8 MAI	4.83 LE 13 SEP	1970
1971	7.86 LE 24 AVR A 1150 HNE	7.86 LE 24 AVR	4.40 LE 11 DEC	1971
1972	7.51 LE 10 MAI	7.48 LE 10 MAI	4.72 LE 15 JAN	1972
1973	7.99 LE 19 MAR A 1941 HNE *	7.98 LE 19 MAR *	5.00 LE 21 NOV	1973
1974	7.76 LE 29 MAI A 1050 HNE	---	---	1974
1975	7.22 LE 26 AVR	---	---	1975
1976	7.80 LE 3 FEV A 1040 HNE	7.72 LE 3 FEV	5.61 LE 16 JAN	1976
1977	5.88 LE 22 DEC	---	---	1977
1978	7.25 LE 21 AVR A 1852 HNE	---	---	1978
1979	7.11 LE 2 MAI A 1220 HNE	---	---	1979
1980	6.83 LE 17 AVR	---	---	1980
1981	7.78 LE 10 JAN A 1616 HNE	7.57 LE 26 FEV	4.86 LE 26 JUL	1981
1982	6.76 LE 28 AVR A 2351 HNE	6.74 LE 28 AVR	4.37 LE 26 OCT	1982
1983	7.50 LE 12 MAI A 1630 HNE	7.49 LE 12 MAI	4.86 LE 31 OCT	1983
1984	7.32 LE 19 AVR	7.23 LE 19 AVR	---	1984
1985	---	---	---	1985
1986	8.77 LE 31 MAR A 2356 HNE	8.72 LE 4 AVR	4.83 LE 2 JAN	1986
1987	7.18 LE 2 AVR A 2020 HNE	---	4.37 LE 18 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A COTEAU-DU-LAC - STATION NO. 02MC017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1920	---	---	---	---	---	40.73	40.78	40.74	40.70	40.68	40.85	---	---	1920
1921	40.91	40.85	41.00	41.00	41.01	40.98	40.93	40.84	40.73	40.68	40.68	---	---	1921
1922	40.89	40.89	40.74	41.06	41.01	41.06	41.11	40.98	40.85	40.75	40.84	---	---	1922
1923	---	---	---	---	---	40.88	40.91	40.81	40.73	40.64	40.65	40.50	40.80	---	1923
1924	40.74	40.72	40.85	40.91	40.98	40.93	40.94	40.80	40.79	40.77	40.85	40.88	40.80	1924
1925	---	40.85	40.80	---	---	---	---	---	---	---	---	---	---	1925
1927	---	---	---	---	---	40.88	40.83	---	40.83	40.89	40.71	40.88	---	1927
1928	40.97	40.92	40.88	41.14	41.04	40.99	40.98	40.88	40.78	40.78	40.84	40.84	40.93	1928
1929	40.98	---	---	41.20	41.38	41.32	41.28	41.20	41.06	40.98	40.98	40.95	---	1929
1930	41.15	41.15	41.21	41.38	41.30	41.29	41.25	41.11	40.97	40.85	40.78	40.67	41.09	1930
1931	40.70	40.80	40.87	40.72	40.72	40.75	40.71	40.59	40.53	40.49	40.49	40.48	40.61	1931
1932	40.80	40.74	40.71	41.07	41.01	40.80	40.87	40.78	40.84	40.80	40.87	40.83	40.75	1932
1933	40.82	40.67	40.68	40.88	40.82	40.89	40.87	40.68	40.61	40.23	40.08	40.24	40.69	1933
1934	40.19	40.19	40.15	40.59	40.44	40.40	40.38	40.38	40.37	40.31	40.14	40.33	40.32	1934
1935	40.84	40.28	40.43	40.44	40.48	40.85	40.58	40.80	40.33	40.25	40.35	40.40	40.43	1935
1936	40.48	40.30	40.58	40.88	40.83	40.87	40.79	40.84	40.85	40.84	40.48	40.41	40.83	1936
1937	40.73	40.79	40.82	40.82	40.88	40.97	40.82	40.87	40.74	40.83	40.87	40.80	40.78	1937
1938	40.73	40.72	40.70	40.80	40.88	40.82	40.78	40.78	40.71	40.82	40.48	40.47	40.71	1938
1939	40.84	40.30	40.29	40.82	40.85	40.78	40.78	40.88	40.49	40.37	40.23	40.20	40.53	1939
1940	40.47	40.18	40.03	40.40	40.52	40.89	40.87	40.48	40.34	40.29	40.28	40.30	40.37	1940
1941	40.55	40.27	40.18	40.50	40.39	40.27	40.28	40.28	40.18	40.17	40.27	40.34	40.31	1941
1942	40.83	41.47	40.89	40.48	40.55	40.52	40.49	40.45	40.38	40.34	40.43	40.55	40.80	1942
1943	41.08	41.74	41.80	40.81	40.89	40.81	40.78	40.75	40.69	40.83	40.80	---	---	1943
1944	40.72	40.83	40.89	40.85	40.70	40.68	40.89	40.88	40.81	40.80	40.49	40.48	40.82	1944
1945	41.02	41.83	41.19	40.82	40.84	40.82	40.81	40.78	40.75	40.82	40.80	40.87	40.82	1945
1946	41.07	40.95	41.02	40.83	40.78	40.78	40.73	40.87	40.82	40.82	40.82	40.85	40.77	1946
1947	42.29	42.54	42.21	41.08	40.78	40.82	40.90	40.84	40.78	40.86	40.88	40.73	41.18	1947
1948	40.88	41.74	41.57	40.82	40.84	40.78	40.74	40.89	40.83	40.81	40.80	40.55	40.87	1948
1949	40.72	40.80	40.78	40.74	40.74	40.68	40.88	40.88	40.58	40.55	40.55	40.80	40.88	1949
1950	40.85	41.81	41.84	41.04	40.73	40.71	40.71	40.88	40.83	40.85	40.88	40.72	40.80	1950
1951	40.78	41.82	41.38	40.88	40.78	40.73	40.77	40.87	40.83	40.87	40.41	40.87	40.82	1951
1952	41.48	41.80	41.21	40.84	40.88	40.70	40.80	40.80	40.88	40.83	40.48	40.52	40.80	1952
1953	40.78	41.18	40.73	40.88	40.84	40.81	40.82	40.88	40.84	40.43	40.34	40.30	40.80	1953
1954	40.87	40.88	40.87	40.85	40.81	40.80	40.82	40.84	40.88	40.88	40.85	40.88	40.88	1954
1955	40.83	41.03	41.11	40.83	40.80	40.88	40.84	40.42	40.38	40.34	40.38	40.78	40.83	1955
1956	41.22	41.18	41.18	40.88	40.42	40.43	40.41	40.38	40.32	40.27	40.31	40.41	40.88	1956
1957	41.08	40.78	40.88	40.43	40.43	40.42	40.48	40.38	40.34	40.27	40.38	40.27	40.48	1957
1958	40.80	40.77	40.72	40.48	40.38	40.40	40.42	40.28	40.18	40.31	40.31	40.38	40.42	1958
1959	40.48	40.70	40.84	40.81	40.82	40.88	40.81	40.42	40.28	40.21	40.21	40.28	40.48	1959
1960	40.51	40.88	40.88	40.80	40.20	40.87	40.82	40.42	40.27	39.78	40.08	40.23	40.38	1960
1961	40.41	40.32	40.08	38.88	40.10	38.78	38.78	40.11	40.08	40.02	40.28	40.16	40.08	1961
1962	40.17	40.08	40.08	38.83	40.00	40.08	40.08	40.08	40.13	40.11	40.04	40.20	40.08	1962
1963	40.27	40.28	40.28	38.81	38.80	40.08	40.04	40.11	40.08	40.11	40.14	40.15	40.11	1963
1964	40.30	40.21	40.20	40.18	39.99	40.13	40.15	40.13	40.12	---	40.12	40.16	---	1964
1965	40.14	40.12	40.17	40.13	40.04	40.23	40.24	40.22	40.23	---	40.14	40.15	---	1965
1966	40.42	40.38	40.35	40.22	38.97	40.24	40.23	40.22	40.23	40.21	40.20	40.24	40.24	1966
1967	40.32	40.38	40.33	40.21	40.23	40.01	40.23	40.25	40.27	40.25	40.25	40.21	40.25	1967
1968	40.53	40.54	40.12	40.30	38.88	40.28	40.28	40.25	40.28	40.28	40.28	40.57	40.33	1968
1969	41.02	40.52	40.39	40.39	40.09	40.24	40.34	40.35	40.25	40.25	40.23	40.28	40.35	1969
1970	40.38	40.37	40.34	40.28	40.08	40.21	---	---	40.24	40.24	40.18	40.37	---	1970
1971	40.22	40.21	40.40	40.48	40.35	40.23	40.18	40.18	40.23	40.20	40.14	40.20	40.26	1971
1972	40.38	40.24	40.28	40.48	40.34	40.29	40.34	40.42	40.41	40.38	40.38	40.84	40.38	1972
1973	40.87	40.82	40.88	40.45	---	---	40.49	40.38	40.43	40.37	40.22	40.84	---	1973
1974	40.58	40.48	40.84	40.87	40.47	40.48	40.48	40.51	40.48	40.43	40.33	40.34	40.48	1974
1975	40.49	40.31	40.55	40.50	40.41	---	---	40.33	40.37	40.38	40.35	40.42R	---	1975
1976	40.35	40.48	40.58	40.51	40.48	40.55	40.55	40.49	40.48	40.48	---	---	---	1976
1977	---	40.48	40.84	40.43	40.34	40.30	40.28	40.18	40.38	40.43	40.38	40.52	---	1977
1978	40.41	40.80	40.80	40.88	40.43	40.42	40.37	40.35	40.28	40.28	40.27	40.34	40.42	1978
1979	40.28	40.28	40.48	40.41	40.35	40.41	40.34	40.33	---	40.48	40.43	40.39	---	1979
1980	40.83	40.50	40.48	40.35	40.34	40.31	40.32	40.38	40.38	40.31	40.28	40.28	40.40	1980
1981	40.14	39.92	39.75	---	---	40.30	40.36	40.48	---	40.43	40.48	40.22	---	1981
1982	40.18	40.23	40.23	40.28	40.28	---	---	---	---	---	---	40.32	---	1982
1983	40.24	---	40.31	40.38	40.39	---	---	40.41	40.44	40.39	40.32	40.40	---	1983
1984	---	40.58	40.58	40.38	40.44	40.18	40.48	40.58	40.47	40.33	40.27	40.24	---	1984
1985	40.44	40.48	40.48	40.42	40.38	40.40	40.40	40.38	40.38	40.32	40.33	---	---	1985
1986	40.38	---	40.58	40.48	---	---	---	---	---	40.48	40.48	40.33	---	1986
1987	40.38	40.31	40.40	40.28	40.28	40.32	---	40.27	40.18	40.18	40.08	40.14	---	1987
MOYEN	40.85	40.88	40.85	40.88	40.85	40.88	40.87	40.81	40.47	40.43	40.40	40.44R	40.88	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 17 47
LONG 74 10 00

REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A COTEAU-DU-LAC - STATION NO. 02MC017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1920	41.25 LE 30 DEC A 1700 HNE	---	---	1920
1921	41.27 LE 22 MAR	---	---	1921
1922	41.39 LE 13 AVR	---	---	1922
1923	41.18 LE 9 JUN A 1830 HNE	---	---	1923
1924	41.26 LE 19 MAI	41.16 LE 19 MAI	40.50 LE 5 DEC	1924
1925	41.14 LE 30 MAR	---	---	1925
1927	41.05 LE 19 NOV	---	---	1927
1928	41.56 LE 8 AVR A 2330 HNE	41.49 LE 9 AVR	40.68 LE 10 MAR	1928
1929	41.57 LE 19 MAI A 1600 HNE	---	---	1929
1930	41.52 LE 9 AVR	41.50 LE 8 AVR	40.58 LE 11 DEC	1930
1931	40.84 LE 27 JAN	40.80 LE 27 JAN	40.38 LE 9 DEC	1931
1932	41.37 LE 12 AVR A 2030 HNE	41.36 LE 13 AVR	40.35 LE 2 JAN	1932
1933	41.00 LE 8 AVR A 1730 HNE	40.98 LE 9 AVR	40.01 LE 6 NOV	1933
1934	40.85 LE 31 DEC A 2000 HNE	40.79 LE 26 DEC	39.89 LE 2 FEV	1934
1935	41.07 LE 26 JAN	40.92 LE 27 JAN	40.05 LE 10 AVR	1935
1936	41.12 LE 19 AVR A 1530 HNE	41.11 LE 18 AVR	40.11 LE 28 FEV	1936
1937	41.36 LE 7 AVR	41.28 LE 7 AVR	40.28 LE 18 DEC	1937
1938	41.24 LE 25 MAR	41.22 LE 25 MAR	40.24 LE 8 MAR	1938
1939	41.15 LE 23 AVR A 2200 HNE	41.13 LE 23 AVR	40.03 LE 25 NOV	1939
1940	40.87 LE 1 JUL	40.84 LE 1 JUL	39.83 LE 16 FEV	1940
1941	40.87 LE 28 DEC	40.78 LE 22 JAN	39.89 LE 13 FEV	1941
1942	41.83 LE 10 FEV A 2000 HNE	41.76 LE 11 FEV	40.11 LE 9 DEC	1942
1943	42.74 LE 28 MAR	---	---	1943
1944	41.01 LE 14 FEV A 1030 HNE	40.87 LE 14 MAI	40.28 LE 27 NOV	1944
1945	42.20 LE 11 MAR	42.02 LE 11 FEV	40.39 LE 17 JAN	1945
1946	41.46 LE 11 MAR	41.37 LE 10 MAR	40.49 LE 4 DEC	1946
1947	43.02 LE 26 JAN A 1330 HNE *	42.92 LE 26 JAN *	40.56 LE 29 OCT	1947
1948	42.81 LE 21 MAR A 1230 HNE	42.38 LE 21 MAR	40.47 LE 30 DEC	1948
1949	41.07 LE 28 MAR	41.01 LE 28 MAR	40.50 LE 5 JAN	1949
1950	42.23 LE 4 MAR A 1530 HNE	42.13 LE 13 MAR	40.54 LE 7 JAN	1950
1951	41.91 LE 17 FEV A 2300 HNE	41.88 LE 18 FEV	40.14 LE 18 NOV	1951
1952	42.48 LE 27 JAN	42.42 LE 27 JAN	40.48 LE 19 NOV	1952
1953	41.90 LE 22 FEV A 1100 HNE	41.75 LE 22 FEV	40.00 LE 2 DEC	1953
1954	41.47 LE 15 JAN A 1130 HNE	41.38 LE 14 JAN	40.32 LE 28 JAN	1954
1955	41.81 LE 28 DEC A 1100 HNE	41.72 LE 28 DEC	40.13 LE 8 OCT	1955
1956	41.84 LE 28 FEV A 1130 HNE	41.64 LE 1 JAN	40.16 LE 24 OCT	1956
1957	41.62 LE 17 JAN A 1300 HNE	41.29 LE 13 JAN	40.06 LE 14 DEC	1957
1958	41.36 LE 2 MAR	41.16 LE 23 FEV	39.85 LE 2 SEP	1958
1959	41.19 LE 5 AVR A 1000 HNE	41.09 LE 5 AVR	40.04 LE 2 OCT	1959
1960	40.98 LE 5 AVR A 1835 HNE	40.86 LE 5 AVR	39.81 LE 25 OCT	1960
1961	40.98 LE 3 FEV	40.74 LE 25 JAN	39.40 LE 17 JUN	1961
1962	40.62 LE 15 JAN	40.37 LE 8 JAN	39.83 LE 13 MAI	1962
1963	40.87 LE 16 DEC A 2336 HNE	40.67 LE 16 DEC	39.43 LE 14 MAI	1963
1964	40.51 LE 15 JAN A 2215 HNE	---	---	1964
1965	40.48 LE 12 JAN A 1701 HNE	---	---	1965
1966	40.88 LE 1 FEV	40.75 LE 1 FEV	39.47 LE 13 MAI	1966
1967	40.70 LE 10 MAR A 1710 HNE	40.55 LE 3 MAR	39.44 LE 13 JUN	1967
1968	41.48 LE 31 DEC	41.38 LE 31 DEC	39.48 LE 17 MAI	1968
1969	41.80 LE 2 JAN A 1735 HNE	41.46 LE 3 JAN	39.61 LE 7 MAI	1969
1970	40.82 LE 28 DEC A 1740 HNE	---	---	1970
1971	40.83 LE 19 AVR A 1230 HNE	40.77 LE 19 AVR	39.91 LE 19 MAI	1971
1972	41.51 LE 16 DEC A 1217 HNE	41.20 LE 31 DEC	39.77 LE 12 JUN	1972
1973	41.89 LE 22 DEC A 1853 HNE	---	---	1973
1974	41.04 LE 7 MAR A 2025 HNE	40.94 LE 7 MAR	40.09 LE 14 MAI	1974
1975	41.07R LE 22 JAN A 1135 HNE	---	---	1975
1976	41.02 LE 31 MAR A 1015 HNE	---	---	1976
1977	41.06 LE 14 MAR A 2225 HNE	---	---	1977
1978	41.13 LE 12 AVR A 1025 HNE	41.00 LE 12 AVR	39.98 LE 3 OCT	1978
1979	40.91 LE 25 MAR A 1240 HNE	---	---	1979
1980	42.02 LE 12 JAN	41.83 LE 12 JAN	39.84 LE 23 MAI	1980
1981	40.85 LE 9 AOU A 0504 HNE	40.67 LE 25 SEP	39.31 LE 25 MAR *	1981
1982	40.90 LE 10 JAN	40.61 LE 9 JAN	39.92 LE 6 MAR	1982
1983	41.27 LE 23 DEC A 0859 HNE	40.93 LE 22 JAN	39.89 LE 8 FEV	1983
1984	41.08 LE 11 FEV A 1800 HNE	40.91 LE 29 JAN	39.89 LE 20 JUN	1984
1985	40.85 LE 28 DEC A 1333 HNE	40.68 LE 28 DEC	40.14 LE 2 NOV	1985
1986	41.17 LE 28 MAR	41.06 LE 2 FEV	39.68 LE 18 JUN	1986
1987	40.86 LE 26 JAN A 2330 HNE	40.66 LE 26 JAN	39.81 LE 16 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINT-LAURENT (FLEUVE) A COTEAU-LANDING - STATION NO. 02MC015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1919	46.34	46.32	46.34	46.40	46.45	46.49	46.45	46.39	46.32	46.24	46.22	46.24	46.35	1919
1920	46.25	46.04	46.12	46.21	46.14	46.08	46.12	46.08	46.05	46.03	46.01	46.18	46.11	1920
1921	46.21	46.08	46.29	46.29	46.29	46.27	46.22	46.16	46.04	45.99	45.94	46.02	46.15	1921
1922	46.18	46.00	46.09	46.34	46.31	46.34	46.37	46.26	46.16	46.08	46.01	45.94	46.17	1922
1923	46.08	45.99	45.91	46.19	46.15	46.19	46.11	46.05	45.96	45.89	45.86	45.94	46.03	1923
1924	46.22	46.13	46.04	46.20	46.27	46.21	46.20	46.17	46.09	46.10	46.05	46.12	46.15	1924
1925	45.92	45.91	46.15	46.17	46.15	46.10	46.03	45.97	45.93	45.94	45.99	46.07	46.03	1925
1926	46.95	45.75	45.84	46.24	46.16	46.09	46.05	46.00	45.96	46.06	46.20	46.32	46.06	1926
1927	46.25	46.04	46.22	46.22	46.23	46.23	46.18	46.13	46.08	46.06	46.16	46.34	46.18	1927
1928	46.50	46.39	46.33	46.46	46.38	46.33	46.35	46.34	46.28	46.22	46.22	46.27	46.34	1928
1929	46.49	46.39	46.45	46.51	46.55	46.51	46.58	46.53	46.44	46.38	46.33	46.32	46.47	1929
1930	46.60	46.55	46.54	46.63	46.60	46.59	46.54	46.42	46.30	46.20	46.12	46.04	46.43	1930
1931	46.13	46.01	45.93	46.04	46.03	46.05	46.03	45.94	45.89	45.84	45.83	45.81	45.96	1931
1932	45.83	45.08	46.07	46.32	46.23	46.17	46.15	46.10	45.97	45.90	45.86	45.86	46.05	1932
1933	45.86	45.84	45.84	46.08	46.06	46.07	46.12	46.14	46.08	46.03	45.89	45.98	46.00	1933
1934	46.97	46.11	46.10	46.27	46.21	46.18	46.07	45.94	45.85	45.81	45.73	45.12	46.03	1934
1935	46.18	46.18	46.29	46.23	46.24	46.25	46.16	46.05	45.83	45.77	45.88	45.94	46.08	1935
1936	46.13	45.82	46.10	46.36	46.34	46.27	46.16	46.05	45.99	45.87	46.03	46.15	46.12	1936
1937	46.31	46.33	46.32	46.33	46.35	46.30	46.19	46.11	46.01	46.02	46.04	46.15	46.20	1937
1938	46.16	46.29	46.27	46.32	46.21	46.17	46.14	46.15	46.10	46.05	46.01	46.17	46.16	1938
1939	46.24	46.10	46.16	46.32	46.20	46.24	46.22	46.15	46.06	46.08	46.02	46.06	46.15	1939
1940	46.16	46.03	46.01	46.16	46.12	46.19	46.26	46.20	46.15	46.00	45.92	46.05	46.10	1940
1941	46.17	46.01	45.93	46.16	46.07	46.03	46.04	45.98	46.02	45.98	46.04	46.14	46.06	1941
1942	46.23	46.24	46.26	46.24	46.23	46.19	46.16	46.26	46.29	46.28	46.27	46.30	46.25	1942
1943	46.33	46.36	46.37	46.42	46.52	46.44	46.46	46.44	46.40	46.36	46.37	46.33	46.40	1943
1944	46.36	46.27	46.23	46.29	46.35	46.35	46.30	46.21	46.12	46.00	46.01	46.24	46.24	1944
1945	46.21	46.24	46.31	46.39	46.44	46.42	46.43	46.42	46.40	46.40	46.37	46.41	46.37	1945
1946	46.47	46.33	46.40	46.42	46.34	46.34	46.33	46.28	46.19	46.13	46.11	46.17	46.29	1946
1947	46.32	46.24	46.19	46.35	46.37	46.51	46.50	46.46	46.44	46.37	46.28	46.36	46.37	1947
1948	46.28	46.19	46.27	46.40	46.39	46.41	46.42	46.40	46.30	46.21	46.16	46.23	46.31	1948
1949	46.35	46.33	46.36	46.39	46.29	46.26	46.19	46.08	46.01	45.93	45.86	45.97	46.17	1949
1950	46.23	46.27	46.30	46.37	46.33	46.33	46.30	46.24	46.16	46.13	46.10	46.26	46.26	1950
1951	46.45	46.34	46.43	46.46	46.44	46.44	46.46	46.45	46.39	46.26	46.23	46.40	46.40	1951
1952	46.46	46.46	46.49	46.46	46.41	46.42	46.46	46.45	46.44	46.37	46.27	46.39	46.43	1952
1953	46.55	46.52	46.43	46.43	46.41	46.38	46.38	46.38	46.31	46.22	46.16	46.30	46.37	1953
1954	46.55	46.56	46.52	46.46	46.39	46.38	46.37	46.35	46.31	46.30	46.30	46.38	46.40	1954
1955	46.53	46.52	46.52	46.52	46.41	46.36	46.37	46.33	46.28	46.27	46.29	46.43	46.40	1955
1956	46.50	46.51	46.47	46.46	46.39	46.39	46.36	46.39	46.37	46.28	46.20	46.26	46.38	1956
1957	46.56	46.56	46.44	46.18	46.22	---	46.27	46.21	46.20	46.29	---	46.33	---	1957
1958	46.46	46.47	46.46	46.38	46.38	46.37	46.37	46.36	46.34	46.35	46.34	46.44	46.39	1958
1959	46.50	46.46	---	46.44	46.34	46.36	46.35	46.39	46.36	46.35	46.39	---	---	1959
1960	46.54	46.55	46.51	46.34	46.37	46.37	46.34	46.32	46.35	46.29	46.27	46.33	46.36	1960
1961	46.53	46.46	46.47	46.32	46.34	46.34	46.34	46.35	46.34	46.35	46.35	46.30	46.36	1961
1962	---	---	---	---	46.29	46.34	46.33	46.34	46.33	---	46.32	46.35	---	1962
1963	---	46.47	46.47	46.34	46.29	46.32	46.34	46.35	46.37	46.34	46.33	46.40	---	1963
1964	46.51	46.49	46.46	46.32	46.30	46.30	46.32	46.32	46.32	---	46.34	46.38	---	1964
1965	46.48	46.49	46.43	46.38	46.34	46.35	46.35	46.34	46.35	46.32	46.38	46.34	46.36	1965
1966	46.38	46.43	46.38	46.33	46.34	46.33	46.33	46.33	46.33	46.32	46.33	46.33	46.35	1966
1967	46.36	46.42	46.41	46.34	46.34	46.33	46.35	46.36	46.36	46.35	46.41	46.41	46.37	1967
1968	46.45	46.47	46.48	46.38	46.37	46.36	46.37	46.37	46.39	46.35	46.36	46.42	46.40	1968
1969	46.44	46.46	46.49	46.41	46.40	46.38	46.37	46.37	46.38	46.35	46.33	46.38	46.40	1969
1970	46.49	46.47	46.49	46.41	46.38	46.37	46.37	46.40	46.37	46.38	46.42	46.47	46.42	1970
1971	46.47	46.50	46.53	46.48	46.40	46.39	46.37	46.38	46.42	46.37	46.37	46.38	46.42	1971
1972	46.46	46.46	46.49	46.47	46.45	46.41	46.41	46.40	46.41	46.42	46.43	46.48	46.44	1972
1973	46.51	46.52	46.50	46.43	46.43	46.43	46.43	46.44	46.42	46.42	46.44	46.44	46.45	1973
1974	46.48	46.49	---	46.46	46.44	46.47	46.48	46.43	46.41	46.42	46.42	46.41	---	1974
1975	46.39	46.46	46.45	46.44	46.44	46.44	46.43	46.42	46.43	46.44	---	46.41R	---	1975
1976	46.47	---	---	46.44	---	---	---	---	---	---	46.41	46.44	---	1976
1977	46.49	46.47	46.43	46.43	46.41	46.44	46.42	46.42	---	46.43	46.45	---	---	1977
1978	46.50	46.49	46.49	46.38	46.38	46.39	46.42	46.41	46.42	46.43	46.42	46.37	46.42	1978
1979	46.46	46.46	46.42	46.39	46.37	46.41	---	46.43	46.45	46.44	46.41	46.34	---	1979
1980	---	---	---	---	46.38	46.41	46.37	46.41	46.42	46.41	46.42	46.42	46.38	---	1980
1981	---	46.46	46.38	46.37	46.39	46.40	46.42	46.42	46.39	46.43	---	---	46.33	---	1981
1982	46.39	46.43	46.41	46.38	46.39	46.40	46.43	46.42	46.42	---	---	46.38	46.34	---	1982
1983	46.38	46.44	---	46.40	---	46.37	46.32	---	---	---	46.39	---	---	---	1983
1984	---	---	---	---	---	46.39	46.39	---	46.41	46.39	---	---	---	1984
1985	---	46.49	46.43	46.41	---	46.42	46.41	46.40	46.42	46.43	---	---	---	1985
1986	46.43	46.51	46.50	46.40	46.39	46.39	46.41	46.39	46.36	46.38	---	---	---	1986
1987	46.36	46.50	46.49	---	---	---	46.39	---	46.33	46.33	46.36	46.36	---	1987
MOYEN	46.34	46.32	46.32	46.35	46.33	46.33	46.32	46.29	46.28	46.22	46.20	46.28R	46.27	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

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REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A COTEAU-LANDING - STATION NO. 02MC018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1918	46.81 EN JAN *	46.58 LE 14 JAN	46.07 LE 28 NOV	1918
1919				1919
1920	46.77 LE 13 MAR	46.52 LE 8 JAN	45.84 LE 22 NOV	1920
1921	---	46.48 LE 22 MAR	45.83 LE 2 NOV	1921
1922	46.56 LE 13 AVR	46.54 LE 13 AVR	45.87 LE 29 DEC	1922
1923	46.41 LE 10 JUN A 2300 HNE	46.39 LE 10 JUN	46.78 LE 2 MAR	1923
1924	46.52 LE 19 MAI	46.47 LE 17 JAN	45.93 LE 5 DEC	1924
1925	46.41 LE 30 MAR	46.38 LE 28 MAR	45.77 LE 29 JAN	1925
1926	46.56 LE 26 AVR A 1800 HNE	46.53 LE 26 AVR	45.83 LE 3 FEV *	1926
1927	46.57 LE 27 DEC	46.52 LE 27 DEC	45.91 LE 25 FEV	1927
1928	46.83 LE 9 AVR A 1527 HNE	46.79 LE 8 AVR	46.12 LE 20 SEP	1928
1929	46.88 LE 16 MAI A 1335 HNE	46.76 LE 4 MAI	46.18 LE 19 DEC	1929
1930	46.84 LE 27 JAN	46.83 LE 28 JAN *	45.98 LE 11 DEC	1930
1931	46.35 LE 1 FEV A 2250 HNE	46.32 LE 17 JAN	45.76 LE 15 NOV	1931
1932	46.57 LE 12 AVR A 1843 HNE	46.53 LE 13 AVR	45.88 LE 9 NOV	1932
1933	46.33 LE 28 JUL A 1651 HNE	46.24 LE 26 DEC	45.72 LE 14 FEV	1933
1934	46.58 LE 3 AVR	46.57 LE 3 AVR	46.63 LE 8 NOV	1934
1935	46.58 LE 16 MAR	46.53 LE 16 MAR	45.84 LE 16 OCT	1935
1936	46.54 LE 19 AVR A 1445 HNE	46.51 LE 19 AVR	45.67 LE 16 FEV	1936
1937	46.83 LE 7 AVR	46.75 LE 7 AVR	45.92 LE 13 NOV	1937
1938	46.56 LE 25 MAR	46.54 LE 25 MAR	45.88 LE 21 JAN	1938
1939	46.52 LE 10 AVR	46.47 LE 10 AVR	45.84 LE 8 JAN	1939
1940	46.43 LE 29 JAN A 1130 HNE	46.38 LE 29 JAN	45.78 LE 27 NOV	1940
1941	46.41 LE 20 JAN	46.38 LE 20 JAN	45.85 LE 12 FEV	1941
1942	46.63 LE 2 DEC A 1525 HNE	46.48 LE 10 FEV	46.08 LE 6 FEV	1942
1943	46.65 LE 13 MAI	46.62 LE 13 MAI	46.20 LE 19 JAN	1943
1944	46.47 LE 14 JAN A 1057 HNE	46.44 LE 14 JAN	45.83 LE 18 NOV	1944
1945	46.59 LE 23 MAI	46.52 LE 20 MAI	45.87 LE 17 JAN	1945
1946	46.80 LE 23 JAN	46.55 LE 23 JAN	46.02 LE 26 DEC	1946
1947	46.66 LE 16 JUN	46.60 LE 16 JUN	45.94 LE 22 FEV	1947
1948	46.52 LE 25 JUN	46.49 LE 25 JUN	46.02 LE 31 JAN	1948
1949	46.59 LE 19 JAN A 1055 HNE	46.46 LE 7 AVR	45.71 LE 28 NOV	1949
1950	46.56 LE 14 JAN A 1048 HNE	46.45 LE 5 AVR	45.86 LE 4 NOV	1950
1951	46.68 LE 4 JAN A 1142 HNE	46.61 LE 31 MAR	46.12 LE 7 NOV	1951
1952	46.59 LE 19 JAN	46.55 LE 26 FEV	46.17 LE 18 NOV	1952
1953	46.72 LE 29 JAN	46.66 LE 29 JAN	45.88 LE 7 NOV	1953
1954	46.64 LE 3 MAR	46.61 LE 12 JAN	46.26 LE 6 OCT	1954
1955	46.64 LE 3 AVR A 1100 HNE	46.62 LE 5 AVR	46.18 LE 6 OCT	1955
1956	46.61 LE 14 MAI A 1551 HNE	46.56 LE 5 AVR	46.12 LE 15 NOV	1956
1957	46.62 LE 4 JAN A 1000 HNE	---	---	1957
1958	46.59 LE 5 JAN A 2021 HNE	46.56 LE 16 JAN	46.21 LE 9 NOV	1958
1959	46.61 LE 22 JAN	---	---	1959
1960	46.66 LE 9 JAN	46.59 LE 1 FEV	46.16 LE 25 AVR	1960
1961	46.63 LE 13 DEC	46.57 LE 13 JAN	46.16 LE 17 DEC	1961
1962	46.56 LE 9 AVR A 2044 HNE	---	---	1962
1963	46.62 LE 28 MAR	---	---	1963
1964	46.61 LE 22 JAN A 2355 HNE	---	---	1964
1965	46.59 LE 31 JAN A 2309 HNE	46.57 LE 6 FEV	46.26 LE 31 MAI	1965
1966	46.64 LE 31 JAN A 2345 HNE	46.47 LE 30 JAN	46.24 LE 4 DEC	1966
1967	46.56 LE 22 DEC	46.47 LE 28 FEV	46.26 LE 16 JAN	1967
1968	46.56 LE 21 JAN	46.52 LE 18 DEC	46.32 LE 14 JUN	1968
1969	46.66 LE 22 MAR A 2120 HNE	46.53 LE 15 MAR	46.29 LE 11 AOU	1969
1970	46.59 LE 26 MAR A 2101 HNE	46.54 LE 23 MAR	46.32 LE 5 JUN	1970
1971	46.58 LE 13 FEV A 2310 HNE	46.56 LE 17 MAR	46.30 LE 25 JUL	1971
1972	46.70 LE 16 DEC	46.54 LE 16 DEC	46.36 LE 16 JUN	1972
1973	46.58 LE 2 AVR A 1915 HNE	46.54 LE 24 JAN	46.36 LE 12 AVR	1973
1974	46.58 LE 1 MAI A 1201 HNE	---	---	1974
1975	46.68R LE 10 NOV A 1812 HNE	---	---	1975
1976	46.64 LE 3 FEV A 1820 HNE	---	---	1976
1977	46.61 LE 6 AVR	---	---	1977
1978	46.58 LE 11 JAN	46.55 LE 11 JAN	46.30 LE 6 AVR	1978
1979	46.63 LE 28 NOV A 1459 HNE	---	---	1979
1980	46.62 LE 12 FEV	---	---	1980
1981	46.57 LE 20 FEV A 2227 HNE	46.52 LE 21 FEV	46.19 LE 30 DEC	1981
1982	46.55 LE 7 JUL A 2050 HNE	46.50 LE 13 JAN	46.12 LE 3 JAN	1982
1983	46.61 LE 22 MAR A 0207 HNE	46.52 LE 21 JAN	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	46.61 LE 14 FEV	46.58 LE 14 FEV	46.30 LE 2 JAN	1986
1987	46.60 LE 23 JAN A [illegible] HNE	46.57 LE 20 FEV	46.27 LE 16 JAN	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINT-LAURENT (FLEUVE) A GRONDINES - STATION NO. 02PC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1934	---	---	---	---	---	---	---	---	---	1.54	---	---	---	1934
1935	---	---	---	---	---	2.10	---	---	1.69	1.82	---	---	---	1935
1936	---	---	---	---	---	2.44	---	---	1.73	1.81	---	---	---	1936
1937	---	---	---	---	2.97	2.31	2.00	1.92	1.88	1.87	---	---	---	1937
1938	---	---	---	---	2.93	2.21	1.98	2.05	1.98	1.91	---	---	---	1938
1939	---	---	---	---	---	2.46	2.25	2.20	1.93	1.97	---	---	---	1939
1940	---	---	---	---	---	2.58	2.18	1.88	1.88	1.77	---	---	---	1940
1941	---	---	---	---	2.38	2.01	1.80	1.81	1.82	1.82	---	---	---	1941
1942	---	---	---	---	2.75	2.46	2.04	1.88	1.81	1.82	---	---	---	1942
1943	---	---	---	---	---	2.89	2.43	2.29	2.06	2.18	---	---	---	1943
1944	---	---	---	---	2.82	2.15	2.07	1.97	1.92	2.01	---	---	---	1944
1945	---	---	---	---	2.95	2.80	2.18	2.03	2.06	2.38	---	---	---	1945
1946	---	---	---	---	2.85	2.30	2.02	1.97	1.82	1.94	---	---	---	1946
1947	---	---	---	---	3.78	3.67	2.71	---	2.08	1.98	---	---	---	1947
1948	---	---	---	---	2.70	2.31	2.10	2.01	1.91	1.88	---	---	---	1948
1949	---	---	---	---	2.58	2.13	1.88	1.83	1.78	1.88	---	---	---	1949
1950	---	---	---	---	2.83	2.30	2.06	1.93	1.87	1.85	---	---	---	1950
1951	---	---	---	---	3.02	2.34	2.27	2.09	1.96	2.11	---	---	---	1951
1952	---	---	---	---	---	2.75	2.22	2.19	2.06	2.10	---	---	---	1952
1953	---	---	---	---	2.72	2.21	2.05	1.94	1.89	1.88	---	---	---	1953
1954	---	---	---	---	3.00	---	---	---	2.11	---	---	---	---	1954
1955	---	---	---	---	---	2.38	---	1.99	1.86	1.96	---	---	---	1955
1956	---	---	---	---	---	---	2.21	2.10	2.16	2.07	---	---	---	1956
1957	---	---	---	---	---	2.18	2.44	---	1.99	1.96	---	---	---	1957
1958	---	---	---	---	2.34	2.23	2.14	---	---	---	---	---	---	1958
1959	---	---	---	---	---	---	1.98	---	---	---	---	---	---	1959
1960	---	---	2.42	---	---	---	2.35	2.14	---	1.86	---	---	---	1960
1961	---	2.03	2.21	---	---	2.33	2.01	2.06	---	2.03	---	---	---	1961
1962	---	---	---	---	2.43	1.91	---	---	1.84	1.94	---	1.78	---	1962
1963	1.80	1.88	---	---	---	---	1.79	1.81	1.81	1.81	2.20	1.91	---	1963
1964	1.97	1.88	2.15	2.23	2.12	1.95	---	---	---	1.80	1.72	---	---	1964
1965	1.80	---	1.90	2.08	2.20	1.88	1.74	1.80	1.78	2.13	2.23	2.11	---	1965
1966	2.18	2.13	2.51	2.59	2.38	2.14	1.88	1.92	1.88	1.85	1.98	---	---	1966
1967	---	---	---	2.77	2.71	---	2.14	---	1.90	2.28	---	---	---	1967
1968	2.80	2.21	2.48	2.91	2.30	2.06	2.03	1.94	2.02	2.00	2.18	2.03	2.23	1968
1969	2.03	2.37	2.23	2.97	3.07	2.47	---	2.23	2.18	1.97	2.32	---	---	1969
1970	---	2.03	2.10	2.83	2.87	2.36	2.21	2.17	2.13	---	2.24	2.34	---	1970
1971	2.07	2.30	2.40	2.98	3.20	2.25	1.97	1.97	2.07	2.02	2.02	2.01	2.27	1971
1972	1.84	1.92	2.37	2.92	3.44	2.83	2.70	2.58	2.37	2.42	---	2.43	---	1972
1973	2.27	2.51	---	---	---	2.78	2.80	2.47	2.30	2.34	2.20	2.27	---	1973
1974	2.18	2.27	2.67	3.28	3.88	3.23	2.83	2.32	2.18	2.10	2.41	2.80	2.84	1974
1975	2.26	2.11	2.53	3.01	2.89	2.53	2.08	2.01	---	---	2.33	---	---	1975
MOYEN	2.09	2.12	2.33	2.78	2.78	2.39	2.16	2.05	1.98	1.97	2.17	2.15	2.38	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.040 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 35 07
LONG 72 02 20 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A GRONDINES - STATION NO. 02PC005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939				1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	3.71 LE 21 JAN	1.24 LE 27 DEC *	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	4.21 LE 25 AVR	1.50 LE 12 DEC	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	4.29 LE 25 MAI *	1.46 LE 2 FEV	1974
1975	---	---	---	1975

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.040 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A LA PRAIRIE - STATION NO. 020A041

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	---	---	---	---	---	---	10.38	10.25	---	1967
1968	10.61	10.40	10.03	10.34	9.94	9.82	9.85	9.87	10.02	9.84	9.82	9.86	10.09	1968
1969	10.27	10.23	10.07	10.47	10.47	10.32	10.26	10.26	10.11	9.84	9.89	9.86	10.19	1969
1970	10.22	9.98	9.87	10.17	10.24	10.04	10.05	10.07	9.87	---	10.08	10.11	---	1970
1971	10.19	10.16	10.02	10.57	10.50	10.08	9.83	9.82	9.85	9.89	9.78	9.80	10.07	1971
1972	9.80	10.05	10.02	10.50	10.82	10.45	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	---	---	---	10.37	10.34	10.23	---	---	1973
1974	10.25	10.25	10.47	10.83	11.17	10.82	10.55	10.40	---	10.24	10.18	10.23	---	1974
1975	10.08	---	---	10.80	---	10.37	10.14	---	---	---	10.16	10.14R	---	1975
1976	10.34	10.39	10.85	11.09	10.85	10.58	10.83	10.37	10.28	10.27	10.16	---	---	1976
1977	---	---	10.24	10.52	10.22	---	9.82	---	10.04	10.31	10.26	---	---	1977
1978	---	---	10.32	10.71	10.58	---	---	10.00	9.86	9.84	9.82	---	---	1978
1979	10.01	10.16	10.32	---	---	---	10.08	10.03	10.13	10.24	10.30	10.38	---	1979
1980	10.14	---	10.03	---	---	---	---	---	---	10.24	10.22	10.12	---	1980
1981	10.20	---	---	---	---	10.07	---	10.10	10.30	---	10.35	10.21	---	1981
1982	---	---	10.06	10.42	10.28	10.18	10.13	10.02	9.87	9.83	10.04	10.18	---	1982
1983	---	10.07	10.21	10.37	10.71	10.46	10.06	10.02	10.01	10.00	10.06	---	---	1983
1984	---	10.18	10.20	10.84	---	---	---	10.23	---	9.88	10.03	10.08	---	1984
1985	10.24	10.18	10.36	10.63	---	---	---	---	---	10.12	---	---	---	1985
1986	10.17	10.38	10.35	---	---	---	---	10.41	---	10.44	10.65	---	---	1986
1987	10.22	10.15	10.40	---	10.28	10.24	---	---	9.95	9.84	9.82	10.06	---	1987
MOYEN	10.22	10.20	10.21	10.55	10.51	10.28	10.14	10.14	10.08	10.11	10.12	10.12R	10.12	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 27 52
LONG 73 31 12 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A LA PRAIRIE - STATION NO. 02OA041

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	10.53 LE 16 NOV	---	---	1967
1968	12.28 LE 19 JAN *	12.15 LE 19 JAN *	9.67 LE 23 DEC	1968
1969	10.75 LE 24 AVR A 2249 HNE	10.71 LE 24 AVR	9.79 LE 25 DEC	1969
1970	10.46 LE 6 MAI	---	---	1970
1971	11.31 LE 23 AVR	11.28 LE 23 AVR	9.63 LE 6 DEC *	1971
1972	11.20 LE 7 MAI	---	---	1972
1973	10.94 LE 12 FEV A 1510 HNE	---	---	1973
1974	11.41 LE 24 MAI	---	---	1974
1975	11.21R LE 21 AVR A 2150 HNE	---	---	1975
1976	11.73 LE 2 AVR A 1142 HNE	---	---	1976
1977	11.01 LE 16 MAR A 2018 HNE	---	---	1977
1978	11.16 LE 15 AVR	---	---	1978
1979	11.00 LE 26 MAR A 2355 HNE	---	---	1979
1980	10.81 LE 7 JAN A 1742 HNE	---	---	1980
1981	---	---	---	1981
1982	10.89 LE 29 AVR A 2157 HNE	10.68 LE 29 AVR	9.75 LE 12 JAN	1982
1983	11.05 LE 12 MAI A 1035 HNE	11.03 LE 12 MAI	9.84 LE 16 FEV	1983
1984	10.95 LE 16 AVR A 1820 HNE	10.90 LE 7 AVR	9.80 LE 6 JAN	1984
1985	10.77 LE 6 MAI A 1440 HNE	10.74 LE 30 AVR	---	1985
1986	10.83 LE 27 MAI	10.81 LE 27 MAI	9.91 LE 13 JAN	1986
1987	10.83 LE 29 MAR	---	9.86 LE 24 JAN	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINT-LAURENT (FLEUVE) A LACHINE - STATION NO. 02OA040

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1919	20.83	20.58	20.65	21.23	21.76	21.44	20.67	20.65	20.59	20.62	20.75	20.81	20.90	1919
1920	20.73	20.29	20.40	20.89	20.86	20.62	20.47	20.38	20.25	20.19	20.22	20.46	20.46	1920
1921	20.56	20.40	20.59	21.19	21.13	20.66	20.47	20.34	20.19	20.18	20.12	20.33	20.54	1921
1922	20.67	20.22	20.43	21.41	21.35	20.89	20.74	20.51	20.35	20.24	20.14	20.22	20.60	1922
1923	20.31	20.18	19.87	20.71	21.36	20.91	20.47	20.28	20.19	20.02	20.03	20.20	20.38	1923
1924	20.49	20.40	20.27	21.03	21.43	20.98	20.61	20.44	20.33	20.40	20.24	20.44	20.59	1924
1925	20.17	20.11	20.62	21.04	20.82	20.72	20.45	20.26	20.08	20.07	20.23	20.41	20.43	1925
1926	20.41	20.11	19.86	20.70	21.13	20.67	20.54	20.27	20.18	20.21	20.81	20.78	20.48	1926
1927	20.72	20.42	20.71	20.60	20.62	20.86	20.69	20.56	20.27	20.24	20.61	20.78	20.62	1927
1928	20.64	20.77	20.66	21.55	21.60	21.23	20.90	20.72	20.60	20.62	20.62	20.70	20.86	1928
1929	20.91	20.84	20.96	21.55	22.00	21.38	21.14	20.69	20.72	20.63	20.69	20.70	21.04	1929
1930	21.03	20.96	20.95	21.28	21.29	21.25	21.21	20.82	20.81	20.48	20.34	20.25	20.67	1930
1931	20.38	20.26	20.11	20.48	20.50	20.42	20.23	20.10	20.01	19.84	19.96	20.02	20.20	1931
1932	20.24	20.55	20.36	21.13	20.85	20.57	20.47	20.38	20.39	20.47	20.85	20.40	20.64	1932
1933	20.33	20.23	20.13	21.17	21.09	20.58	20.25	20.13	19.89	19.88	19.78	19.88	20.29	1933
1934	19.84	19.83	20.03	21.01	20.85	20.38	20.07	19.77	19.88	19.89	19.82	19.98	20.08	1934
1935	20.17	20.01	20.13	20.37	20.33	20.17	20.19	19.89	19.84	19.78	19.77	19.87	20.05	1935
1936	20.08	19.83	20.37	20.88	21.30	20.73	20.21	19.87	19.93	20.05	20.19	20.05	20.30	1936
1937	20.54	20.54	20.43	20.87	21.13	20.87	20.48	20.38	20.25	20.20	20.48	20.48	20.64	1937
1938	20.54	20.58	20.68	21.31	21.10	20.84	20.35	20.34	20.25	20.23	20.15	20.14	20.52	1938
1939	20.42	20.26	20.17	20.94	21.27	20.81	20.57	20.45	20.21	20.16	20.11	20.09	20.46	1939
1940	20.32	20.14	19.95	20.70	20.60	20.81	20.82	20.32	20.24	20.12	20.14	20.26	20.36	1940
1941	20.64	20.39	20.15	20.81	20.63	20.28	20.18	20.09	20.03	20.11	20.28	20.17	20.32	1941
1942	20.45	20.33	20.41	20.97	20.81	20.70	20.45	20.31	20.23	20.19	20.26	20.41	20.48	1942
1943	20.78	20.87	20.73	21.17	21.66	21.48	21.08	20.89	20.78	20.83	20.71	20.78	20.98	1943
1944	20.87	20.82	20.81	20.73	20.98	20.89	20.81	20.50	20.43	20.36	20.23	20.36	20.57	1944
1945	20.42	20.53	20.80	21.18	21.24	21.14	20.82	20.68	20.84	20.86	20.81	20.89	20.83	1945
1946	20.89	20.84	21.03	21.02	20.88	20.85	20.58	20.50	20.40	20.43	20.54	20.58	20.72	1946
1947	20.89	20.88	20.84	21.54	22.02	22.10	21.38	21.01	20.83	20.88	20.89	20.70	21.10	1947
1948	20.73	20.80	20.83	21.22	21.18	20.98	20.80	20.89	20.52	20.39	20.40	20.37	20.72	1948
1949	20.82	20.76	20.78	21.30	21.02	20.85	20.53	20.27	20.21	20.15	20.07	20.19	20.54	1949
1950	20.58	---	20.81	21.21	21.05	20.89	20.72	20.57	20.48	20.42	20.53	20.71	---	1950
1951	21.04	20.74	21.10	22.10	21.48	21.04	21.09	20.81	20.74	20.70	20.88	21.01	21.07	1951
1952	21.18	21.05	21.07	21.88	21.58	21.38	21.08	20.88	20.80	20.78	20.58	20.77	21.07	1952
1953	20.92	20.88	---	21.47	21.17	20.81	20.78	20.85	20.58	20.44	20.38	20.41	---	1953
1954	20.85	20.84	20.92	21.80	21.28	21.09	20.84	20.85	20.84	20.81	20.92	20.89	20.91	1954
1955	21.09	20.81	21.02	21.83	21.21	20.84	20.74	20.81	20.82	20.85	20.77	20.74	20.90	1955
1956	20.78	20.81	20.84	21.14	21.38	21.11	20.84	20.74	20.80	20.73	20.58	20.83	20.81	1956
1957	20.95	20.73	20.72	20.73	20.74	20.88	20.82	20.83	20.48	20.45	20.83	20.87	20.87	1957
1958	20.78	---	20.86	21.02	20.88	20.81	20.48	20.38	20.34	20.38	20.38	20.81	---	1958
1959	20.32	20.46	20.29	21.14	21.00	20.78	20.81	20.38	20.28	20.20	20.42	20.81	20.64	1959
1960	20.69	20.71	20.88	21.58	21.71	21.18	21.13	20.85	20.47	20.15	20.22	20.34	20.82	1960
1961	20.82	20.82	20.40	20.70	20.83	21.07	20.83	20.71	20.84	20.46	20.29	---	---	1961
1962	---	---	20.37	20.85	20.51	20.30	20.23	20.28	20.22	20.23	20.24	20.31	---	1962
1963	20.80	20.81	20.21	20.82	20.22	20.18	20.17	20.20	20.20	20.17	20.19	20.84	20.32	1963
1964	20.84	20.42	20.28	20.28	20.13	20.13	20.08	20.09	20.07	20.08	20.04	20.07	20.18	1964
1965	20.40	20.34	---	20.15	20.18	20.00	20.04	20.17	20.25	20.58	20.53	20.82	---	1965
1966	20.89	20.79	20.84	20.83	20.58	20.48	20.32	20.35	20.31	20.29	20.38	20.76	20.58	1966
1967	20.77	20.84	20.45	21.03	20.81	20.70	20.58	20.48	20.48	20.81	21.38	21.18	20.80	1967
1968	21.08	21.07	20.90	21.29	20.78	20.89	20.77	20.78	20.83	20.74	20.70	20.77	20.85	1968
1969	21.07	20.89	20.80	21.43	21.44	21.30	21.18	21.14	20.91	20.89	20.78	20.78	21.08	1969
1970	20.85	20.79	20.84	21.03	21.14	20.80	20.81	20.80	20.77	20.84	20.82	20.88	20.80	1970
1971	21.04	20.84	20.82	21.58	21.61	20.88	20.75	20.71	20.74	20.88	20.53	20.53	20.81	1971
1972	20.71	20.86	20.85	21.47	21.83	21.45	21.52	21.42	21.32	21.28	21.36	21.15	21.27	1972
1973	21.15	21.34	21.74	21.91	21.88	21.77	21.63	21.36	21.27	21.24	21.13	21.00	21.45	1973
1974	21.18	21.22	21.45	21.88	22.17	21.88	21.69	21.37	21.21	21.14	21.08	21.13	21.44	1974
1975	20.95	20.85	21.22	21.58	21.84	21.34	---	20.88	20.90	21.00	21.07	21.04R	---	1975
1976	---	21.15	21.52	22.10	21.82	21.63	---	---	21.15	21.15	21.08	20.89	---	1976
1977	21.10	---	21.10	21.52	21.17	20.73	20.60	20.68	20.67	21.26	21.20	21.11	---	1977
1978	---	21.55	21.28	21.78	21.84	21.25	20.93	20.67	---	---	20.62	20.48	---	1978
1979	20.88	21.07	21.27	21.84	21.78	21.25	20.95	20.68	21.01	21.21	21.29	21.39	21.22	1979
1980	21.08	21.01	20.87	21.47	---	21.08	---	---	21.12	---	21.17	---	---	1980
1981	21.02	21.14	21.25	21.43	21.01	20.88	20.85	20.97	21.22	21.28	21.32	21.15	21.14	1981
1982	21.05	21.11	20.84	21.41	21.25	21.07	21.00	---	20.80	20.75	20.90	21.11	---	1982
1983	20.88	20.97	21.14	21.35	---	21.48	20.97	---	20.84	20.82	20.84	21.14	---	1983
1984	---	21.18	21.22	21.85	21.52	---	21.29	21.20	21.10	20.83	20.90	20.95	---	1984
1985	21.10	21.10	21.27	---	21.58	21.20	---	21.12	21.08	21.01	21.04	---	---	1985
1986	---	21.38	21.36	21.85	21.82	21.48	---	21.38	21.35	21.44	21.49	21.43	---	1986
1987	21.20	21.22	21.44	21.83	21.30	21.22	21.13	---	20.82	20.80	---	20.98	---	1987
MOYEN	20.73	20.68	20.72	21.20	21.18	20.83	20.72	20.59	20.54	20.52	20.58	20.61R	20.70	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 25 52
LONG 73 40 18 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1986

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A LACHINE - STATION NO. 02OA040

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1919	---	22.05 LE 27 MAI	20.35 LE 17 FEV	1919
1920	21.24 LE 28 MAR A 2100 HNE	21.20 LE 28 MAR	19.89 LE 7 MAR	1920
1921	21.40 LE 9 MAI A 1100 HNE	21.38 LE 9 MAI	20.03 LE 2 NOV	1921
1922	22.11 LE 20 AVR A 2000 HNE	22.02 LE 21 AVR	19.85 LE 24 FEV	1922
1923	21.54 LE 24 MAI A 1715 HNE	21.49 LE 24 MAI	19.74 LE 3 MAR	1923
1924	21.52 LE 19 MAI	21.73 LE 19 MAI	19.96 LE 6 MAR	1924
1925	21.37 LE 30 MAR A 2125 HNE	21.34 LE 30 MAR	19.78 LE 11 FEV	1925
1926	21.84 LE 26 AVR A 2154 HNE	21.57 LE 25 AVR	19.82 LE 16 MAR	1926
1927	21.35 LE 20 MAR A 1427 HNE	21.35 LE 20 MAR	20.10 LE 21 FEV	1927
1928	22.10 LE 10 AVR	22.09 LE 10 AVR	20.40 LE 13 MAR	1928
1929	22.31 LE 16 MAI A 1447 HNE	22.19 LE 9 MAI	20.45 LE 28 FEV	1929
1930	21.54 LE 9 AVR A 1718 HNE	21.53 LE 9 AVR	20.17 LE 25 DEC	1930
1931	20.71 LE 30 AVR A 1223 HNE	20.66 LE 30 AVR	19.86 LE 10 MAR	1931
1932	21.69 LE 13 AVR A 2046 HNE	21.65 LE 14 AVR	19.95 LE 2 JAN	1932
1933	21.51 LE 20 AVR A 1020 HNE	21.47 LE 20 AVR	19.89 LE 7 NOV	1933
1934	21.85 LE 13 AVR A 2351 HNE	21.61 LE 14 AVR	19.52 LE 11 NOV *	1934
1935	20.67 LE 2 MAI A 1800 HNE	20.63 LE 20 AVR	19.83 LE 22 OCT	1935
1936	21.80 LE 20 MAI	21.70 LE 20 MAI	19.84 LE 18 FEV	1936
1937	21.66 LE 8 AVR	21.80 LE 8 AVR	20.06 LE 17 OCT	1937
1938	21.87 LE 27 MAR	21.81 LE 28 MAR	19.95 LE 26 DEC	1938
1939	21.81 LE 24 AVR A 2218 HNE	21.84 LE 25 AVR	19.90 LE 8 JAN	1939
1940	21.20 LE 5 JUN A 2303 HNE	21.15 LE 5 JUN	19.78 LE 3 MAR	1940
1941	21.38 LE 28 AVR A 1747 HNE	21.33 LE 28 AVR	19.81 LE 16 MAR	1941
1942	21.28 LE 20 AVR A 2133 HNE	21.24 LE 20 AVR	19.94 LE 1 MAR	1942
1943	22.53 LE 13 MAI A 2253 HNE	22.48 LE 14 MAI *	20.18 LE 22 JAN	1943
1944	21.30 LE 26 AVR A 2200 HNE	21.23 LE 15 MAI	20.12 LE 17 NOV	1944
1945	21.87 LE 5 AVR A 1302 HNE	21.75 LE 5 AVR	19.98 LE 18 JAN	1945
1946	21.52 LE 16 MAR A 2224 HNE	21.43 LE 16 MAR	20.28 LE 10 OCT	1946
1947	22.42 LE 4 JUN A 2240 HNE	22.35 LE 4 JUN	20.43 LE 8 MAR	1947
1948	21.85 LE 22 MAI A 2323 HNE	21.67 LE 23 MAR	20.28 LE 31 JAN	1948
1949	21.84 LE 7 AVR A 2146 HNE	21.60 LE 8 AVR	19.95 LE 13 NOV	1949
1950	21.87 LE 6 AVR A 2334 HNE	---	---	1950
1951	22.53 LE 17 AVR A 2019 HNE	22.47 LE 17 AVR	20.58 LE 3 OCT	1951
1952	22.08 LE 7 AVR	22.05 LE 7 AVR	20.47 LE 18 NOV	1952
1953	21.88 LE 31 MAR A 2136 HNE	---	---	1953
1954	22.08 LE 16 AVR A 1424 HNE	21.96 LE 18 AVR	20.27 LE 1 JAN	1954
1955	22.18 LE 7 AVR A 1718 HNE	22.07 LE 23 AVR	20.37 LE 18 OCT	1955
1956	21.67 LE 17 AVR A 1550 HNE	21.50 LE 1 MAI	20.24 LE 31 DEC	1956
1957	21.31 LE 6 JUL A 1342 HNE	21.24 LE 6 JUL	20.33 LE 9 OCT	1957
1958	21.34 LE 30 MAR A 2030 HNE	---	---	1958
1959	21.45 LE 11 AVR A 1803 HNE	21.37 LE 10 AVR	20.08 LE 4 MAR	1959
1960	22.01 LE 18 MAI A 1120 HNE	21.97 LE 17 MAI	20.02 LE 18 OCT	1960
1961	21.24 LE 28 MAI A 1622 HNE	---	---	1961
1962	21.30 LE 9 AVR A 2244 HNE	---	---	1962
1963	21.38 LE 5 AVR A 1228 HNE	21.31 LE 5 AVR	19.93 LE 25 MAR	1963
1964	21.12 LE 15 JAN A 2130 HNE	21.08 LE 15 JAN	19.88 LE 20 DEC	1964
1965	20.88 LE 31 DEC A 2359 HNE	---	---	1965
1966	21.34 LE 15 JAN	21.27 LE 15 JAN	20.20 LE 9 OCT	1966
1967	21.53 LE 16 NOV	21.49 LE 16 NOV	20.02 LE 28 MAR	1967
1968	21.88 LE 4 AVR A 2320 HNE	21.58 LE 2 AVR	20.32 LE 25 DEC	1968
1969	21.78 LE 24 AVR A 2245 HNE	21.72 LE 24 AVR	20.53 LE 25 DEC	1969
1970	21.41 LE 7 MAI A 1345 HNE	21.35 LE 6 MAI	20.28 LE 22 MAR	1970
1971	22.38 LE 23 AVR	22.31 LE 22 AVR	20.32 LE 8 DEC	1971
1972	22.25 LE 8 MAI A 2145 HNE	22.20 LE 7 MAI	20.44 LE 14 FEV	1972
1973	22.42 LE 19 MAR	22.38 LE 19 MAR	20.85 LE 27 DEC	1973
1974	22.48 LE 24 MAI A 1401 HNE	22.38 LE 23 MAI	20.87 LE 1 FEV	1974
1975	22.34 LE 21 AVR A 1729 HNE	---	---	1975
1976	22.80 LE 3 AVR *	---	---	1976
1977	22.00 LE 18 MAR A 1858 HNE	---	---	1977
1978	22.30 LE 14 AVR A 1742 HNE	---	---	1978
1979	22.10 LE 28 MAR A 2130 HNE	22.00 LE 2 MAI	20.48 LE 28 JAN	1979
1980	21.81 LE 17 AVR	---	---	1980
1981	21.90 LE 26 FEV A 0455 HNE	21.85 LE 20 FEV	20.58 LE 1 JAN	1981
1982	21.76 LE 29 AVR	21.72 LE 28 AVR	20.57 LE 12 JAN	1982
1983	22.08 LE 12 MAI A 0735 HNE	22.03 LE 12 MAI	20.61 LE 26 JAN	1983
1984	22.04 LE 7 AVR A 1121 HNE	22.00 LE 7 AVR	20.85 LE 8 JAN	1984
1985	21.90 LE 6 MAI A 1815 HNE	21.84 LE 6 MAI	20.40 LE 25 DEC	1985
1986	21.93 LE 27 MAI A 1042 HNE	21.88 LE 27 MAI	20.70 LE 13 JAN	1986
1987	21.96 LE 27 MAR A 1127 HNE	21.93 LE 27 MAR	20.45 LE 24 JAN	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A LANORAIE - STATION NO. 020801

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1897	---	---	---	---	---	5.87	5.08	4.89	4.34	4.03	---	---	---	1897
1901	---	---	---	---	5.23	5.47	4.84	4.38	4.18	4.09	4.08	---	---	1901
1913	---	---	---	---	---	5.21	4.88	4.43	4.28	---	4.80	---	---	1913
1914	---	---	---	---	5.41	4.73	4.83	4.22	4.15	4.01	---	---	---	1914
1915	---	---	---	---	5.15	4.84	4.32	4.25	4.19	4.14	4.04	---	---	1915
1916	---	---	---	---	5.57	5.08	5.07	4.84	4.30	4.35	---	---	---	1916
1917	---	---	---	---	5.89	5.85	5.34	4.97	4.80	---	---	---	---	1917
1918	---	---	---	---	---	5.13	4.88	4.41	4.80	4.87	---	---	---	1918
1919	---	---	---	---	5.83	5.84	4.87	4.82	4.47	4.83	---	---	---	1919
1920	---	---	---	---	5.52	4.88	4.49	4.27	4.18	4.14	---	---	---	1920
1921	---	---	---	---	5.53	4.81	---	4.14	3.98	---	---	---	---	1921
1922	---	---	---	---	5.85	5.21	4.78	4.45	4.24	4.10	---	---	---	1922
1923	---	---	---	---	---	5.14	4.44	4.15	4.13	---	---	---	---	1923
1924	---	---	---	---	5.49	5.31	4.80	4.38	4.41	4.51	4.18	4.98	---	1924
1925	5.10	---	5.73	---	5.44	4.98	4.58	4.33	4.08	4.13	4.38	4.82	---	1925
1926	5.88	5.39	---	5.33	---	5.22	4.88	4.30	4.10	4.18	4.80	5.09	---	1926
1927	6.15	5.91	5.77	5.36	5.13	5.03	4.81	4.57	4.19	4.23	5.29	5.31	5.23	1927
1928	7.27	7.01	6.87	---	7.03	5.90	5.12	4.81	4.88	5.11	5.19	4.81	---	1928
1929	6.55	6.70	7.18	6.87	6.94	5.72	5.21	4.72	4.81	4.48	4.83	5.89	5.75	1929
1930	6.48	6.09	5.26	5.92	5.78	5.54	5.48	4.82	4.47	4.35	4.13	4.90	5.35	1930
1931	5.77	5.51	5.03	4.90	4.82	4.57	4.24	4.22	4.22	4.19	4.28	4.44	4.88	1931
1932	5.31	5.81	5.31	6.13	5.33	4.81	4.87	4.72	4.94	5.09	5.35	5.43	5.22	1932
1933	5.41	5.01	4.91	5.41	6.10	5.00	4.58	4.48	4.28	4.09	4.03	4.73	4.91	1933
1934	4.98	4.83	4.81	5.41	5.81	4.89	4.45	4.04	3.98	3.88	3.97	4.88	4.74	1934
1935	5.40	5.28	5.34	5.38	5.04	4.87	4.87	4.38	4.20	4.09	4.20	4.37	4.75	1935
1936	4.88	4.52	5.71	5.80	6.38	5.35	4.52	4.23	4.22	4.48	4.70	4.97	4.98	1936
1937	5.98	5.71	5.64	5.28	6.01	5.06	4.88	4.62	4.45	4.41	4.85	5.24	5.24	1937
1938	6.28	6.30	5.35	5.38	5.83	4.90	4.51	4.81	4.58	4.48	4.27	4.45	5.24	1938
1939	5.92	5.60	5.60	5.30	5.24	5.22	4.87	4.78	4.38	4.37	4.30	4.88	5.18	1939
1940	5.12	4.97	4.89	5.84	5.71	5.43	4.88	4.45	4.44	4.27	4.38	5.88	4.97	1940
1941	5.78	5.45	5.11	5.81	5.08	4.52	4.44	4.38	4.34	4.44	4.80	4.84	4.91	1941
1942	5.83	5.80	5.71	6.03	5.51	5.14	4.88	4.55	4.44	4.27	4.52	5.03	5.11	1942
1943	5.81	5.68	5.84	5.85	5.92	5.07	5.32	5.05	4.90	4.80	5.01	5.70	5.68	1943
1944	5.17	5.75	5.42	5.46	5.48	4.81	4.70	4.81	4.55	4.51	4.43	---	---	1944
1945	5.24	5.28	5.98	5.88	5.87	5.48	4.94	4.75	4.78	5.15	5.04	5.80	5.33	1945
1946	5.40	5.88	---	---	5.28	5.06	4.87	4.84	4.50	4.88	4.71	4.98	---	1946
1947	6.18	6.10	5.89	5.83	7.23	7.17	5.78	5.15	4.88	4.71	4.83	---	---	1947
1948	6.08	5.84	6.14	---	5.51	5.08	4.80	4.71	4.55	4.41	4.40	4.48	---	1948
1949	6.04	6.35	5.74	6.07	5.40	4.74	4.87	4.42	4.33	4.18	---	4.35	---	1949
1950	---	6.80	6.10	---	5.30	4.94	4.88	4.59	4.53	4.37	4.82	4.88	---	1950
1951	6.17	5.72	6.00	---	6.01	5.03	5.08	4.81	4.88	4.70	5.15	5.37	---	1951
1952	7.01	6.88	6.08	5.74	6.11	5.85	5.03	5.00	4.79	4.72	4.85	4.85	5.81	1952
1953	6.43	6.26	6.13	6.25	5.49	4.82	4.88	4.81	4.49	4.35	4.19	4.28	5.18	1953
1954	6.09	---	5.72	6.30	5.78	5.46	4.88	4.85	4.72	5.23	5.14	5.08	---	1954
1955	6.33	6.08	6.40	7.10	6.83	4.92	4.84	4.58	4.48	4.49	4.73	5.01	5.27	1955
1956	---	6.31	6.31	---	6.83	5.32	4.83	4.70	4.79	4.88	4.42	---	---	1956
1957	6.20	5.98	5.48	4.88	4.73	4.54	5.00	4.35	4.30	4.31	4.89	4.85	4.93	1957
1958	6.33	6.80	6.58	6.83	4.78	4.84	4.48	4.27	4.34	4.43	---	5.04	---	1958
1959	6.01	6.13	6.08	6.97	---	4.78	4.41	4.26	4.19	4.17	---	---	---	1959
1960	---	---	---	---	---	5.15	5.03	4.87	4.27	4.03	4.08	---	---	1960
1961	---	---	5.22	5.44	5.18	4.90	4.75	4.52	4.50	4.34	4.07	4.40	---	1961
1962	5.56	5.23	4.89	5.39	4.84	4.18	---	4.08	4.01	4.08	4.25	4.83	---	1962
1963	---	6.13	4.68	5.63	4.59	4.10	3.95	4.02	4.08	4.00	4.38	---	---	1963
1964	---	4.98	4.90	4.86	4.35	4.09	3.98	3.88	3.81	3.85	---	---	---	1964
1965	4.65	4.95	4.38	4.28	4.37	3.89	3.83	4.05	4.27	4.88	4.78	4.84	4.42	1965
1966	5.78	5.88	5.59	5.35	4.90	4.59	4.27	4.44	4.35	4.27	4.48	5.17	4.90	1966
1967	5.22	5.61	5.43	---	---	---	---	---	4.36	4.93	5.58	5.40	---	1967
1968	6.23	5.81	5.48	5.82	4.92	4.57	4.58	4.65	4.63	4.52	4.87	---	---	1968
1969	---	5.48	5.19	6.09	6.11	5.38	5.09	4.88	4.78	4.51	4.98	5.07	---	1969
1970	---	5.14	4.92	5.88	5.80	5.05	4.89	4.81	4.64	4.77	4.85	---	---	1970
1971	---	5.85	5.84	5.18	5.31	4.95	4.50	4.50	---	---	4.38	4.58	---	1971
1972	4.77	5.15	5.48	5.03	5.88	5.68	5.65	5.48	5.18	5.23	5.50	5.62	5.84	1972
1973	6.14	6.10	5.80	5.47	---	---	5.55	5.25	5.05	5.12	4.98	5.21	---	1973
1974	5.27	---	---	6.48	7.24	---	5.54	5.14	4.90	4.84	5.07	5.21	---	1974
1975	---	5.22	5.45	5.98	---	5.31	4.70	---	4.59	4.60	---	---	---	1975
MOYEN	5.61	5.67	5.63	5.94	5.71	5.09	4.77	4.54	4.43	4.48	4.61	4.99	5.13	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.057 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 57 24
LONG 73 12 54

REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1897	---	---	---	1897
1901	---	---	---	1901
1913	---	---	---	1913
1914	---	---	---	1914
1915	---	---	---	1915
1916	---	---	---	1916
1917	---	---	---	1917
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	---	---	1921
1922	---	---	---	1922
1923	---	---	---	1923
1924	---	---	---	1924
1925	---	---	---	1925
1926	---	---	---	1926
1927	---	7.90 LE 20 MAR	3.97 LE 6 OCT	1927
1928	---	---	---	1928
1929	---	8.28 LE 25 MAR *	4.08 LE 30 NOV	1929
1930	---	7.04 LE 11 JAN	3.90 LE 30 NOV	1930
1931	---	6.03 LE 20 JAN	4.00 LE 8 SEP	1931
1932	---	7.07 LE 13 AVR	4.51 LE 2 JUL	1932
1933	---	7.00 LE 20 AVR	3.81 LE 13 NOV	1933
1934	---	7.58 LE 14 AVR	3.84 LE 30 OCT	1934
1935	---	5.74 LE 11 JAN	3.88 LE 22 OCT	1935
1936	---	7.51 LE 24 MAR	4.05 LE 27 SEP	1936
1937	---	7.44 LE 9 AVR	4.12 LE 18 OCT	1937
1938	---	7.92 LE 28 MAR	4.06 LE 4 DEC	1938
1939	---	7.68 LE 25 AVR	4.03 LE 27 NOV	1939
1940	---	6.51 LE 21 AVR	4.13 LE 28 OCT	1940
1941	---	6.32 LE 1 JAN	4.15 LE 1 OCT	1941
1942	---	6.41 LE 2 MAI	4.22 LE 7 SEP	1942
1943	---	7.46 LE 15 MAI	4.62 LE 12 OCT	1943
1944	---	---	---	1944
1945	---	6.97 LE 22 MAR	4.57 LE 17 SEP	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	7.56 LE 20 JAN	4.30 LE 14 NOV	1952
1953	---	7.12 LE 29 MAR	4.03 LE 16 NOV	1953
1954	---	---	---	1954
1955	---	7.38 LE 25 AVR	4.26 LE 27 SEP	1955
1956	---	---	---	1956
1957	---	6.88 LE 23 JAN	4.12 LE 22 AOU	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	5.32 LE 11 FEV	3.58 LE 29 MAR *	1965
1966	---	6.33 LE 28 JAN	4.11 LE 9 OCT	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	7.17 LE 10 MAI	4.56 LE 16 JAN	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975

\AN DE REFRENCE - ARBITRAIRE
AJOUTER 0.057 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A LASALLE - STATION NO. 02OA015

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1933	0.810	0.773	0.718	1.814	1.548	1.117	0.853	0.753	0.636	0.541	0.445	0.611	0.877	1933
1934	0.527	0.690	0.682	1.468	1.427	0.968	0.715	0.487	0.395	0.391	0.347	0.610	0.723	1934
1935	0.604	0.628	0.775	0.946	0.930	0.778	0.602	0.549	0.519	0.470	0.445	0.487	0.688	1935
1936	0.643	0.477	0.917	1.355	1.714	1.253	0.828	0.626	0.585	0.881	0.805	0.818	0.876	1936
1937	0.895	0.982	0.948	1.350	1.571	1.197	1.021	0.973	0.850	0.806	1.045	0.970	1.058	1937
1938	1.066	0.961	1.150	1.705	1.541	1.188	0.928	0.819	0.648	0.835	0.771	0.739	1.053	1938
1939	0.946	0.773	0.712	1.401	1.674	1.303	1.110	1.020	0.811	0.767	0.732	0.674	0.995	1939
1940	0.836	0.670	0.571	1.189	1.248	1.338	1.110	0.859	0.792	0.884	0.888	0.778	0.898	1940
1941	0.980	0.787	0.647	1.289	1.080	0.786	0.717	0.645	0.581	0.648	0.807	0.687	0.805	1941
1942	0.851	0.766	0.858	1.342	1.225	1.142	0.898	0.832	0.758	0.719	0.778	0.834	0.920	1942
1943	1.185	1.087	1.134	1.493	2.051	1.750	1.441	1.283	1.196	1.070	1.137	1.092	1.329	1943
1944	1.189	0.890	0.912	1.122	1.341	1.108	1.048	0.883	0.886	0.833	0.741	0.784	0.984	1944
1945	0.848	0.955	1.178	1.479	1.551	1.489	1.222	1.111	1.070	1.249	1.220	1.183	1.215	1945
1946	1.246	1.119	1.378	1.374	1.260	1.258	1.034	0.858	0.876	0.898	0.893	1.001	1.118	1946
1947	1.201	1.135	1.054	1.778	2.154	2.245	1.673	1.371	1.232	1.118	1.042	1.051	1.422	1947
1948	1.080	0.901	1.177	1.535	1.485	1.350	1.208	1.128	0.976	0.878	0.881	0.849	1.120	1948
1949	0.980	1.086	1.140	1.590	1.383	1.078	0.883	0.771	0.718	0.673	0.605	0.702	0.873	1949
1950	0.910	0.905	0.877	1.524	1.373	1.225	1.090	0.971	0.901	0.850	0.824	1.046	1.058	1950
1951	1.154	1.004	1.384	2.203	1.726	1.393	1.428	1.207	1.137	1.108	1.317	1.276	1.361	1951
1952	1.333	1.320	1.388	1.872	1.790	1.660	1.411	1.306	1.171	1.153	1.022	1.162	1.380	1952
1953	1.169	1.232	1.389	1.721	1.480	1.278	1.163	1.086	1.008	0.901	0.848	0.885	1.178	1953
1954	0.977	0.982	1.262	1.734	1.551	1.438	1.221	1.063	1.049	1.269	1.284	1.242	1.267	1954
1955	1.242	1.103	1.334	2.002	1.521	1.308	1.146	1.041	0.974	0.978	1.180	1.071	1.240	1955
1956	1.048	0.961	0.892	1.435	1.548	1.434	1.218	1.121	1.183	1.088	0.837	0.815	1.155	1956
1957	1.129	0.985	1.057	1.081	1.082	1.017	1.204	0.903	0.877	0.841	0.800	0.825	0.988	1957
1958	0.988	0.803	0.823	1.304	0.975	0.915	0.888	0.787	0.786	0.788	0.776	0.892	0.909	1958
1959	0.880	0.707	0.705	1.412	1.283	1.143	0.988	0.800	0.714	0.882	0.838	0.874	0.908	1959
1960	1.070	0.976	0.958	1.748	1.853	1.437	1.388	1.187	0.843	0.881	0.843	0.891	1.113	1960
1961	0.888	0.848	0.783	1.030	1.210	1.348	1.223	1.043	0.988	0.868	0.710	0.784	0.885	1961
1962	0.886	0.843	0.744	0.880	0.873	0.717	0.650	0.675	0.841	0.839	0.854	0.881	0.745	1962
1963	0.836	0.784	0.588	0.844	0.826	0.812	0.606	0.821	0.825	0.801	0.820	0.842	0.890	1963
1964	0.821	0.718	0.848	0.840	0.548	0.588	0.518	0.526	0.513	0.518	0.484	0.490	0.590	1964
1965	0.843	0.638	0.387	0.584	0.580	0.448	0.478	0.583	0.850	0.804	0.880	0.838	0.642	1965
1966	1.048	0.987	1.198	1.195	0.824	0.827	0.715	0.730	0.705	0.888	0.757	1.058	0.902	1966
1967	0.988	1.078	0.777	1.269	1.187	1.024	0.923	0.824	0.841	1.113	1.551	1.408	1.078	1967
1968	1.184	1.201	1.141	1.478	1.085	0.931	1.082	1.078	1.133	1.058	1.034	1.030	1.117	1968
1969	1.226	1.181	1.148	1.600	1.613	1.487	1.411	1.379	1.200	1.032	1.113	1.059	1.288	1969
1970	1.083	1.013	0.865	1.288	1.381	1.186	1.197	1.183	1.087	1.150	1.214	1.218	1.186	1970
1971	1.186	1.153	1.185	1.668	1.742	1.261	1.075	1.039	1.067	1.018	0.887	0.881	1.183	1971
1972	0.814	1.009	1.104	1.838	1.921	1.624	1.883	1.602	1.524	1.482	1.559	1.308	1.448	1972
1973	1.267	1.428	1.834	1.980	1.983	1.678	1.764	1.547	1.478	1.455	1.374	1.245	1.602	1973
1974	1.314	1.348	1.585	1.937	2.196	1.973	1.738	1.580	1.428	1.378	1.318	1.378	1.597	1974
1975	1.187	1.115	1.423	1.731	1.684	1.548	1.280	1.171	1.182	1.282	1.327	1.240	1.348	1975
1976	1.184	1.307	1.833	2.138	2.005	1.781	1.728	1.536	1.420	1.422	1.338	1.048	1.644	1976
1977	1.300	0.918	1.352	1.868	1.400	1.078	0.959	0.986	1.188	1.492	1.444	1.285	1.258	1977
1978	1.369	1.500	1.444	1.855	1.780	1.467	1.289	1.213	1.149	1.132	0.983	0.802	1.333	1978
MOYEN	1.031	0.975	1.048	1.472	1.437	1.248	1.110	1.001	0.938	0.929	0.943	0.944	1.080	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 17.678 m POUR OBTENIR LES COTES INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 24 54
LONG 73 37 25 REGULARISE

REMARQUES - LA VILLE DE MONTREAL A RECUEILLE DES DONNEES SUPPLEMENTAIRES SUR LES NIVEAX D'EAU DE 1880 A 1932

SAINT-LAURENT (FLEUVE) A LASALLE - STATION NO. 02OA016

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1933	1.676 LE 18 AVR A 1700 HNE	1.672 LE 20 AVR	0.375 LE 27 NOV	1933
1934	1.991 LE 13 AVR A 2349 HNE	1.951 LE 14 AVR	0.256 LE 11 NOV	1934
1935	1.186 LE 21 AVR A 0021 HNE	1.171 LE 3 MAI	0.317 LE 23 DEC	1935
1936	2.070 LE 20 MAI A 0115 HNE	2.024 LE 20 MAI	0.192 LE 20 FEV	1936
1937	1.891 LE 8 AVR A 0024 HNE	1.945 LE 8 AVR	0.692 LE 17 OCT	1937
1938	2.174 LE 27 MAR A 0142 HNE	2.126 LE 28 MAR	0.540 LE 6 MAR	1938
1939	1.948 LE 24 AVR A 2200 HNE	1.883 LE 26 AVR	0.543 LE 8 JAN	1939
1940	1.888 LE 5 JUN A 2316 HNE	1.824 LE 5 JUN	0.424 LE 3 MAR	1940
1941	1.888 LE 28 AVR A 1800 HNE	1.848 LE 30 AVR	0.381 LE 16 FEV	1941
1942	1.807 LE 20 AVR A 2225 HNE	1.787 LE 20 AVR	0.516 LE 2 MAR	1942
1943	2.888 LE 13 MAI A 2400 HNE *	2.842 LE 14 MAI *	0.828 LE 9 MAR	1943
1944	1.801 LE 28 AVR A 2241 HNE	1.840 LE 15 MAI	0.647 LE 17 NOV	1944
1945	2.030 LE 5 AVR A 1856 HNE	1.948 LE 5 AVR	0.518 LE 19 JAN	1945
1946	1.780 LE 17 MAR A 0121 HNE	1.704 LE 18 MAR	0.772 LE 11 OCT	1946
1947	2.472 LE 4 JUN A 1618 HNE	2.420 LE 4 JUN	0.802 LE 24 FEV	1947
1948	1.890 LE 22 MAR A 2355 HNE	1.829 LE 24 MAR	0.708 LE 1 FEV	1948
1949	1.811 LE 7 AVR A 2400 HNE	1.756 LE 8 AVR	0.500 LE 13 NOV	1949
1950	1.902 LE 6 AVR A 2047 HNE	1.836 LE 6 AVR	0.671 LE 1 JAN	1950
1951	2.533 LE 17 AVR A 1800 HNE	2.487 LE 17 AVR	0.758 LE 3 FEV	1951
1952	2.174 LE 7 AVR A 0500 HNE	2.184 LE 7 AVR	0.827 LE 19 NOV	1952
1953	2.027 LE 28 MAR A 2141 HNE	1.956 LE 1 AVR	0.772 LE 7 NOV	1953
1954	2.152 LE 18 AVR A 1700 HNE	2.087 LE 18 AVR	0.704 LE 30 JAN	1954
1955	2.247 LE 7 AVR A 2335 HNE	2.188 LE 24 AVR	0.854 LE 6 OCT	1955
1956	1.785 LE 17 AVR A 2000 HNE	1.738 LE 1 MAI	0.828A LE 31 DEC	1956
1957	---	1.494 LE 6 JUL	0.720 LE 6 OCT	1957
1958	---	1.488 LE 5 AVR	0.858 LE 1 MAR	1958
1959	---	1.501A LE 11 AVR	0.478A LE 8 JAN	1959
1960	2.082 LE 20 MAI A 0930 HNE	2.081 LE 17 MAI	0.473 LE 19 OCT	1960
1961	1.442 LE 17 JUN A 0145 HNE	1.406 LE 17 JUN	0.558 LE 20 MAR	1961
1962	1.503 LE 10 AVR A 0300 HNE	1.454 LE 10 AVR	0.518 LE 28 MAI	1962
1963	1.530 LE 5 AVR A 1350 HNE	1.491 LE 5 AVR	0.372 LE 17 MAR	1963
1964	1.383 LE 2 JAN A 0200 HNE	1.332 LE 2 JAN	0.278 LE 20 DEC	1964
1965	1.185 LE 31 DEC A 2350 HNE	1.061 LE 25 OCT	0.158 LE 28 MAR *	1965
1966	1.470 LE 28 MAR A 0605 HNE	1.430 LE 25 MAR	0.818 LE 9 OCT	1966
1967	1.683 LE 15 NOV A 2030 HNE	1.662 LE 15 NOV	0.470 LE 28 MAR	1967
1968	1.726 LE 5 AVR A 0659 HNE	1.713 LE 2 AVR	0.882 LE 25 DEC	1968
1969	1.886 LE 24 AVR A 2230 HNE	1.826 LE 24 AVR	0.861 LE 25 DEC	1969
1970	1.584 LE 6 MAI A 1825 HNE	1.565 LE 7 MAI	0.701 LE 22 MAR	1970
1971	2.311 LE 23 AVR A 1905 HNE	2.282 LE 22 AVR	0.720 LE 8 DEC	1971
1972	2.222 LE 7 MAI A 0030 HNE	2.213 LE 7 MAI	0.720 LE 2 JAN	1972
1973	2.376 LE 19 MAR A 0500 HNE	2.347 LE 19 MAR	0.815 LE 25 DEC	1973
1974	2.384 LE 24 MAI A 1356 HNE	2.350 LE 23 MAI	1.073 LE 1 FEV	1974
1975	2.288 LE 21 AVR A 1847 HNE	2.288 LE 21 AVR	0.863 LE 27 JAN	1975
1976	2.542 LE 2 AVR A 0758 HNE	2.521 LE 2 AVR	0.820 LE 14 DEC	1976
1977	2.049 LE 16 MAR A 1845 HNE	2.018 LE 16 MAR	0.804 LE 27 FEV	1977
1978	---	2.180 LE 14 AVR	0.849 LE 20 DEC	1978

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 17.676 m POUR OBTENIR LES COTES INTERNATIONAL DES GRANDS LACS (1955)

A - JAUGE MANUELLE
(VOIR INDEX DE REFRENCE)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A LAVALTRIE - STATION NO. 02OB010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1961	---	---	---	---	---	5.13	4.87	4.72	4.70	4.54	4.28	4.58	---	1961
1962	5.58	---	5.15	---	5.12	4.37	4.22	4.24	4.13	4.24	4.41	4.73	---	1962
1963	5.52	5.42	5.13	5.78	4.78	4.24	4.10	4.13	4.25	4.14	4.53	4.80	4.74	1963
1964	5.52	5.20	5.08	4.84	4.50	4.23	4.12	4.03	---	3.88	---	---	---	1964
1965	4.98	5.15	4.80	4.45	4.55	---	3.88	4.20	4.42	5.04	4.93	5.01	---	1965
1966	5.08	5.14	---	5.53	5.07	4.75	4.42	4.58	4.46	4.42	4.64	5.24	---	1966
1967	5.36	5.60	5.84	5.95	5.67	5.15	4.81	4.67	4.51	5.10	5.78	5.80	5.41	1967
1968	5.46	5.58	5.74	6.15	5.13	4.75	4.58	4.73	4.62	4.70	4.65	5.15	5.27	1968
1969	5.15	5.66	5.36	6.28	6.30	5.56	5.30	5.10	4.96	4.88	5.15	5.23	5.48	1969
1970	5.44	5.30	5.08	5.85	6.00	5.24	5.08	5.01	4.82	4.97	5.08	5.53	5.28	1970
1971	5.58	5.17	5.62	6.37	6.49	5.15	4.87	4.48	4.61	4.87	4.58	4.73	5.34	1971
1972	5.01	5.34	5.67	6.23	6.86	5.89	5.68	5.68	5.40	5.48	5.72	5.82	5.75	1972
1973	6.38	6.33	6.62	6.70	6.84	6.07	5.79	5.45	5.26	5.32	5.17	5.42	5.85	1973
1974	5.47	5.48	6.02	6.68	7.48	6.65	5.75	5.35	5.10	5.03	5.28	---	---	1974
1975	---	5.42	5.70	6.20	---	5.82	4.80	4.74	4.77	4.88	5.18	---	---	1975
1976	---	---	6.58	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	---	---	---	---	---	5.34	---	---	1977
1978	---	6.08	6.68	6.58	6.24	---	---	4.82	4.72	4.76	4.56	4.53	---	1978
1979	6.20	6.28	6.66	6.40	6.46	6.46	4.88	4.93	5.17	5.28	5.43	5.87	5.81	1979
1980	5.27	5.11	5.21	5.81	5.63	4.87	5.02	5.18	5.21	5.37	5.32	5.26	5.29	1980
1981	5.58	5.66	5.78	6.08	5.63	5.37	4.84	5.08	5.27	5.38	5.64	5.21	5.50	1981
1982	5.08	5.23	5.20	6.05	5.66	---	4.86	4.70	4.69	4.64	4.66	5.26	---	1982
1983	5.10	5.35	5.63	5.85	5.83	5.84	4.85	---	4.75	4.74	5.21	5.37	---	1983
1984	5.12	5.43	5.67	5.45	5.81	5.66	5.44	5.24	5.07	4.72	4.63	4.87	5.37	1984
1985	---	5.70	---	6.04	6.02	5.18	5.08	5 18	4.88	4.87	5.04	4.87	---	1985
1986	---	5.42	5.52	---	5.84	5.65	5.38	5.48	5.45	---	5.46	5.44	---	1986
1987	---	5.24	5.66	6.17	6.18	5.81	4.78	4.87	4.86	4.82	5.11	---	---	1987
MOYEN	5.58	5.61	5.86	6.03	6.63	5.27	4.84	4.86	4.85	4.82	5.03	5.17	5.41	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 53 00
LONG 73 16 25 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1986

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A LAVALTRIE - STATION NO. 020B010

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1961	5.95 LE 5 MAI A 1930 HNE	---	---	1961
1962	6.70 LE 16 JAN	---	---	1962
1963	6.83 LE 6 AVR A 1118 HNE	6.91 LE 6 AVR	3.90 LE 1 AOU *	1963
1964	8.01 LE 30 JAN A 1035 HNE	---	---	1964
1965	5.82 LE 11 FEV A 1413 HNE	---	---	1965
1966	7.48 LE 3 FEV	---	---	1966
1967	7.47 LE 3 JAN	---	---	1967
1968	7.66 LE 26 JAN A 1545 HNE	7.28 LE 16 FEV	4.38 LE 21 SEP	1968
1969	7.26 LE 16 JAN	7.60 LE 26 JAN	4.44 LE 16 OCT	1969
1970	6.73 LE 26 DEC A 1456 HNE	7.24 LE 16 JAN	4.51 LE 19 OCT	1970
1971	7.64 LE 24 AVR A 1445 HNE	6.69 LE 6 MAI	4.65 LE 13 SEP	1971
1972	7.43 LE 11 MAI	7.60 LE 24 AVR	4.40 LE 11 DEC	1972
1973	7.66 LE 19 MAR A 1822 HNE	7.38 LE 10 MAI	4.76 LE 16 JAN	1973
1974	7.64 LE 25 MAI A 1937 HNE	7.81 LE 19 MAR *	5.03 LE 5 NOV	1974
1975	7.14 LE 26 AVR A 2340 HNE	7.76 LE 26 MAI	4.66 LE 29 OCT	1975
1976	8.07 LE 31 MAR *	---	---	1976
1977	6.00 LE 19 OCT	---	---	1977
1978	7.19 LE 22 AVR	---	---	1978
1979	7.05 LE 2 MAI A 2026 HNE	---	---	1979
1980	6.58 LE 17 AVR	7.01 LE 2 MAI	4.74 LE 1 AOU	1980
1981	7.62 LE 10 JAN A 1630 HNE	6.84 LE 17 AVR	4.71 LE 12 MAR	1981
1982	6.67 LE 29 AVR A 1201 HNE	7.56 LE 10 JAN	4.69 LE 28 JUL	1982
1983	7.44 LE 12 MAI A 1900 HNE	6.66 LE 29 AVR	4.37 LE 29 OCT	1983
1984	7.19 LE 19 AVR A 1040 HNE	7.43 LE 12 MAI	4.67 LE 31 OCT	1984
1985	6.64 LE 4 MAI A 1930 HNE	7.17 LE 19 AVR	4.44 LE 4 NOV	1985
1986	6.78 LE 3 AVR	6.93 LE 4 MAI	4.48 LE 29 DEC	1986
1987	7.10 LE 2 AVR A 2055 HNE	7.77 LE 2 AVR	4.66 LE 1 JAN	1987
		7.08 LE 2 AVR	4.40 LE 16 NOV	

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1956)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A LONGUE-POINTE - STATION NO. 020A046

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	---	---	5.12	---	---	---	5.04	5.12	5.21	5.08	5.37	5.85	---	1963
1964	7.17	6.33	5.88	5.63	5.30	5.12	5.02	4.96	4.81	4.83	4.85	5.21	5.45	1964
1965	5.19	6.45	5.58	5.30	5.35	4.89	4.88	5.13	5.35	6.00	---	---	---	1965
MOYEN	6.66	6.39	5.89	5.47	5.33	5.01	4.98	5.07	5.16	5.34	5.11	5.53	5.45	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.076 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 34 58
LONG 73 30 26 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A LONGUE-POINTE - STATION NO. 020A046

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	---	---	---	1963
1964	---	8.07 LE 3 JAN *	4.63 LE 18 NOV *	1964
1965	---	---	---	1965

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.076 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A MONTREAL (JETEE NO. 1) - STATION NO. 020A048

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1970	6.80	6.85	6.47	7.14	7.28	6.56	6.52	6.48	6.23	6.37	6.48	6.86	6.86	1970
1971	7.36	7.90	7.28	7.81	7.84	6.53	6.02	6.10	6.20	6.07	6.89	6.05	6.75	1971
1972	6.36	6.86	7.09	7.67	8.26	7.33	7.40	7.21	6.96	6.87	7.22	7.16	7.19	1972
1973	7.86	7.78	8.30	8.21	8.14	7.89	7.44	7.04	6.88	6.89	6.71	6.84	7.46	1973
1974	6.92	6.96	7.59	8.16	8.67	8.06	7.35	6.97	6.66	6.60	6.71	6.86	7.31	1974
1975	6.86	6.86	7.16	7.66	7.63	7.02	6.43	6.27	6.29	6.49	6.61	6.80R	6.82R	1975
1976	8.13	8.04	8.21	8.76	8.12	7.36	7.30	7.00	6.73	6.79	6.80	6.61	7.45	1976
1977	6.71	6.31	7.17	7.66	8.81	8.13	6.89	6.02	6.34	6.99	6.80	6.83	6.66	1977
1978	7.37	7.87	7.21	7.96	7.84	6.81	6.43	6.27	6.18	6.17	6.82	6.81	6.76	1978
1979	6.47	6.83	7.26	7.80	7.81	6.92	6.44	6.37	6.62	6.83	6.86	7.16	6.95	1979
1980	6.86	6.61	6.59	7.35	7.10	6.45	6.50	6.67	6.76	6.86	6.82	6.67	6.75	1980
1981	7.40	7.91	7.19	7.46	6.80	6.70	6.35	6.54	6.64	6.91	7.03	6.71	6.96	1981
1982	6.46	6.67	6.62	7.41	7.02	6.45	6.35	6.16	6.16	6.08	6.31	6.71	6.53	1982
1983	6.45	6.86	6.90	7.31	8.12	7.32	6.39	6.31	6.23	6.20	6.56	6.78	6.77	1983
1984	6.46	6.86	7.07	7.89	7.34	7.13	6.90	6.75	6.56	6.18	6.28	6.46	6.82	1984
1985	6.87	7.04	7.20	7.60	7.46	6.86	6.63	6.69	6.60	6.46	6.61	6.46	6.84	1985
1986	6.86	6.94	7.08	7.78	7.46	7.12	6.97	7.07	7.03	7.10	7.06	---	---	1986
1987	6.84	6.87	7.12	7.83	8.70	8.08	6.52	6.21	6.08	6.09	5.94	6.49	6.56	1987
MOYEN	6.90	7.02	7.19	7.73	7.86	6.94	6.65	6.56	6.51	6.56	6.58	6.86R	6.90R	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 30 17
LONG 73 33 05 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A MONTREAL (JETEE NO. 1) - STATION NO. 020A048

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1970	8.00 LE 5 MAI A 2255 HNE	7.89 LE 6 MAI	6.11 LE 13 SEP	1970
1971	9.58 LE 5 FEV A 1121 HNE	8.15 LE 1 FEV	5.88 LE 11 DEC	1971
1972	8.87 LE 10 MAI	8.83 LE 10 MAI	6.06 LE 16 JAN	1972
1973	9.38 LE 19 MAR A 1700 HNE	9.33 LE 19 MAR	6.58 LE 19 NOV	1973
1974	9.20 LE 22 MAI A 2400 HNE	9.16 LE 23 MAI	6.43 LE 28 OCT	1974
1975	8.87 LE 22 AVR	8.80 LE 22 AVR	6.15 LE 21 AOU	1975
1976	10.29 LE 23 JAN *	9.82 LE 3 AVR *	6.00 LE 8 DEC	1976
1977	8.54 LE 16 MAR A 1500 HNE	8.46 LE 16 MAR	5.82 LE 11 JUL	1977
1978	8.96 LE 8 FEV A 1300 HNE	8.85 LE 8 FEV	5.55 LE 20 DEC *	1978
1979	8.46 LE 2 MAI A 1500 HNE	8.42 LE 2 MAI	6.03 LE 11 JAN	1979
1980	8.01 LE 17 AVR	7.96 LE 17 AVR	6.12 LE 12 MAR	1980
1981	9.88 LE 12 JAN A 1815 HNE	9.55 LE 12 JAN	6.13 LE 25 JUL	1981
1982	8.04 LE 29 AVR A 1000 HNE	8.01 LE 29 AVR	5.88 LE 25 OCT	1982
1983	8.76 LE 12 MAI A 0900 HNE	8.72 LE 12 MAI	6.04 LE 31 OCT	1983
1984	8.60 LE 19 AVR	8.51 LE 18 AVR	5.91 LE 4 NOV	1984
1985	8.08 LE 3 MAI	8.06 LE 3 MAI	5.89 LE 25 DEC	1985
1986	8.18 LE 5 AVR	8.10 LE 2 AVR	6.08 LE 9 JAN	1986
1987	8.38 LE 2 AVR A 1315 HNE	8.33 LE 2 AVR	5.73 LE 18 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A NEUVILLE - STATION NO. 02PC007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1914	---	---	---	---	---	1.04	0.92	0.82	0.80	0.80	---	---	---	1914
1915	---	---	---	---	1.28	1.05	0.94	0.85	0.78	---	0.90	---	---	1915
1916	---	---	---	---	---	1.46	1.15	0.97	0.89	0.84	---	---	---	1916
1917	---	---	---	---	---	1.45	1.26	1.10	0.83	1.03	---	---	---	1917
1918	---	---	---	---	---	1.23	1.23	0.89	0.86	1.05	---	---	---	1918
1919	---	---	---	---	---	---	1.12	0.98	0.94	0.87	---	---	---	1919
1920	---	---	---	---	1.37	1.11	---	0.90	---	---	---	---	---	1920
1921	---	---	---	---	---	1.00	0.86	0.76	0.79	0.82	---	---	---	1921
1922	---	---	---	---	1.40	1.28	1.02	0.91	0.80	0.80	---	---	---	1922
1923	---	---	---	---	---	1.16	0.86	0.81	0.82	0.76	---	---	---	1923
1924	---	---	---	---	1.84	1.20	0.93	0.89	0.89	---	---	---	---	1924
1925	---	---	---	---	1.31	1.16	1.02	0.92	0.84	0.85	---	---	---	1925
1926	---	---	---	---	---	1.17	0.86	0.87	0.78	0.85	---	---	---	1926
1927	---	---	---	---	---	1.13	1.01	0.94	0.81	0.83	---	---	---	1927
1928	---	---	---	---	1.80	1.37	1.08	1.01	0.84	1.03	---	---	---	1928
1929	---	---	---	---	1.64	1.36	1.10	0.97	0.89	0.95	---	---	---	1929
1930	---	---	---	---	1.45	---	1.21	1.03	0.87	0.88	---	---	---	1930
1931	---	---	---	---	1.12	1.01	0.88	0.78	0.82	0.77	---	---	---	1931
1932	---	---	---	---	---	1.03	0.87	0.84	0.87	1.02	---	---	---	1932
1933	---	---	---	---	1.46	1.12	0.87	0.82	0.82	0.81	---	---	---	1933
1934	---	---	---	---	1.34	1.08	0.88	0.88	0.89	0.70	---	---	---	1934
1935	---	---	---	---	1.11	1.01	0.88	0.80	0.75	0.89	---	---	---	1935
1936	---	---	---	---	1.58	1.17	0.92	---	0.78	0.88	---	---	---	1936
1937	---	---	---	---	1.48	---	0.94	0.88	0.88	0.85	---	---	---	1937
1938	---	---	---	---	1.49	1.04	0.93	0.98	0.80	0.88	---	---	---	1938
1939	---	---	---	---	---	1.19	1.07	1.05	0.81	0.92	---	---	---	1939
1940	---	---	---	---	1.53	1.27	0.98	0.82	0.80	0.83	---	---	---	1940
1941	---	---	---	---	1.19	1.00	0.87	0.82	0.82	0.88	---	---	---	1941
1942	---	---	---	---	1.38	1.25	0.97	0.84	0.81	0.81	---	---	---	1942
1943	---	---	---	---	1.78	1.48	1.13	1.08	0.93	1.08	---	---	---	1943
1944	---	---	---	---	1.23	1.02	0.88	0.93	---	0.87	---	---	---	1944
1945	---	---	---	---	1.50	1.28	1.00	0.91	0.94	1.13	---	---	---	1945
1946	---	---	---	---	1.24	1.08	0.85	0.93	0.80	0.88	---	---	---	1946
1947	---	---	---	---	1.84	1.77	1.25	---	0.95	---	---	---	---	1947
1948	---	---	---	---	1.35	1.11	0.98	0.91	0.86	---	---	---	---	1948
1949	---	---	---	---	1.24	0.98	0.89	0.85	0.81	0.72	---	---	---	1949
1950	---	---	---	---	1.18	1.05	0.93	0.87	0.82	0.82	---	---	---	1950
1951	---	---	---	---	1.48	1.14	1.05	0.96	0.87	0.89	---	---	---	1951
1952	---	---	---	---	1.55	1.34	0.89	0.87	0.92	0.97	---	---	---	1952
1953	---	---	---	---	1.37	1.05	0.85	0.87	0.87	0.86	---	---	---	1953
1954	---	---	---	---	1.55	1.38	1.10	1.04	0.96	1.16	---	---	---	1954
1955	---	---	---	---	---	1.16	0.95	0.92	0.81	0.88	---	---	---	1955
1956	---	---	---	---	---	---	1.03	---	1.00	0.93	---	---	---	1956
1957	---	---	---	---	---	1.05	1.17	---	0.92	0.90	---	---	---	1957
1958	---	---	---	---	1.15	1.12	1.05	0.88	1.00	1.04	---	---	---	1958
1959	---	---	---	---	1.15	1.15	0.86	0.87	0.88	0.95	---	---	---	1959
1960	---	---	1.38	---	1.79	1.26	1.09	---	---	---	---	---	---	1960
1961	---	0.97	---	---	---	---	---	---	---	0.91	---	---	---	1961
1962	---	0.90	0.94	1.35	---	---	0.96	0.85	0.87	0.97	0.89	---	---	1962
1963	---	0.97	0.80	1.38	---	0.92	0.86	---	---	0.83	1.11	---	---	1963
1964	---	---	---	1.03	1.04	0.91	0.89	0.81	0.87	0.77	0.78	---	---	1964
1965	---	---	---	0.82	1.00	0.85	0.75	0.81	0.85	1.12	1.12	---	---	1965
1969	---	---	---	1.46	1.48	1.21	1.11	1.05	1.04	0.82	1.15	1.08	---	1969
1970	0.83	0.80	0.96	1.41	1.38	1.13	1.01	1.03	1.05	1.08	1.10	1.23	1.08	1970
1971	0.90	1.09	1.22	1.52	1.57	1.06	0.91	0.88	0.95	0.83	0.89	0.84	1.06	1971
1972	---	---	1.18	1.38	1.83	1.47	1.29	1.18	1.12	1.11	1.25	1.18	---	1972
1973	1.02	1.18	1.51	1.68	1.70	1.34	1.22	1.18	1.04	1.08	0.88	---	---	1973
1974	---	0.95	1.10	1.55	1.81	1.48	1.23	1.06	1.00	0.91	1.20	1.22	---	1974
1975	1.06	0.92	1.20	---	1.48	1.27	0.98	---	0.80	1.01	---	1.05	---	1975
MOYEN	0.95	0.93	1.14	1.38	1.43	1.18	1.01	0.92	0.86	0.92	1.05	1.12	1.08	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.051 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 41 47
LONG 71 34 28 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A NEUVILLE - STATION NO. 02PC007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1914	---	---	---	1914
1915	---	---	---	1915
1916	---	---	---	1916
1917	---	---	---	1917
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	---	---	1921
1922	---	---	---	1922
1923	---	---	---	1923
1924	---	---	---	1924
1925	---	---	---	1925
1926	---	---	---	1926
1927	---	---	---	1927
1928	---	---	---	1928
1929	---	---	---	1929
1930	---	---	---	1930
1931	---	---	---	1931
1932	---	---	---	1932
1933	---	---	---	1933
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1969	---	---	---	1969
1970	---	2.15 LE 3 AVR	0.32 LE 2 JAN	1970
1971	---	2.49 LE 25 AVR *	0.22 LE 6 JAN *	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.081 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A POINTE-AUX-TREMBLES - STATION NO. 02OA048

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1934	---	---	---	---	---	---	---	4.75	4.88	4.88	---	---	---	1934
1935	---	---	---	---	5.78	---	5.42	5.11	4.92	4.80	---	---	---	1935
1936	---	---	---	---	7.27	6.23	5.31	4.87	4.85	5.22	---	---	---	1936
1961	---	---	---	---	---	5.98	5.85	5.59	5.55	5.38	5.07	---	---	1961
1962	---	---	---	6.32	5.82	5.14	4.99	5.03	4.98	5.00	5.14	5.50	---	1962
1963	6.83	6.38	5.84	6.40	5.39	4.88	4.88	4.85	5.03	4.93	5.24	5.70	5.55	1963
1964	6.84	---	---	5.51	5.18	4.88	4.88	---	4.74	4.78	4.72	5.07	---	1964
1965	6.02	6.32	5.42	5.18	5.28	4.77	4.72	4.87	5.18	5.82	5.74	5.79	5.43	1965
1966	7.20	---	6.87	6.28	5.78	5.51	5.22	5.35	5.25	5.17	5.40	6.14	---	1966
1967	---	7.73	6.53	6.70	6.41	5.93	5.68	5.35	5.30	5.88	6.62	6.39	---	1967
1968	7.79	6.89	6.74	6.85	5.81	5.49	5.67	5.57	5.55	5.52	5.84	5.91	6.13	1968
1969	6.83	6.49	6.18	7.03	---	---	---	---	5.79	5.48	5.94	5.89	---	1969
1970	6.28	6.11	5.83	6.59	6.70	6.00	5.91	5.84	5.82	5.78	5.86	6.30	6.06	1970
1971	6.84	7.10	6.82	7.18	7.24	6.91	6.44	6.46	6.55	6.43	6.29	6.48	6.12	1971
1972	6.84	6.12	6.48	7.01	7.82	6.88	6.73	6.54	6.28	6.30	6.57	6.80	6.87	1972
1973	7.17	7.23	7.87	7.83	7.44	6.85	6.70	6.33	6.16	6.19	6.03	6.23	6.80	1973
1974	6.37	6.34	6.88	7.83	8.28	7.42	6.88	6.28	6.01	5.84	6.10	6.28	6.88	1974
1975	6.13	6.35	6.55	7.03	6.82	6.37	6.76	---	5.83	5.83	---	---	---	1975
1976	---	---	7.48	8.15	7.45	6.83	6.58	5.[illegible]	5.06	6.13	6.94	6.87	---	1976
1977	---	---	6.86	7.04	---	6.84	---	5.[illegible]	---	6.34	6.14	6.37	---	1977
1978	6.85	7.11	6.58	7.31	6.98	6.15	---	---	5.62	5.84	---	5.27	---	1978
1979	---	6.06	---	7.18	7.27	6.28	6.83	5.76	5.88	---	---	---	---	1979
1980	---	---	---	6.70	6.41	5.77	5.83	---	---	6.18	6.16	---	---	1980
1981	---	6.86	6.58	6.86	6.22	6.11	6.73	5.87	---	6.20	6.33	6.98	---	1981
1982	6.88	6.07	6.00	6.77	6.37	5.78	6.71	6.52	6.51	6.44	---	---	---	1982
1983	6.87	6.06	6.26	6.88	7.54	6.89	6.76	6.84	6.86	6.83	6.86	---	---	1983
1984	---	---	---	7.23	6.88	6.45	6.22	6.04	---	---	6.80	6.74	---	1984
1985	6.42	---	6.83	6.80	6.78	6.86	---	6.86	6.78	6.78	---	---	---	1985
1986	---	6.28	6.36	7.10	6.72	6.36	6.23	6.30	6.26	6.33	6.31	---	---	1986
1987	6.07	---	---	6.93	6.86	6.87	6.85	6.86	6.47	6.46	6.36	6.86	---	1987
MOYEN	6.84	6.87	6.80	6.84	6.89	6.00	6.74	6.82	6.82	6.81	6.78	6.82	6.17	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 37 58
LONG 73 29 28 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A POINTE-AUX-TREMBLES - STATION NO. 02OA048

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1934	5.26 LE 18 JUL A 2000 HNE	---	---	1934
1935	6.61 LE 4 MAI	---	---	1935
1936	7.89 LE 21 MAI A 2230 HNE	---	---	1936
1961	6.20 LE 2 JUN	---	---	1961
1962	7.68 LE 30 DEC	---	---	1962
1963	7.78 LE 5 JAN	7.70 LE 5 JAN	4.73 LE 31 JUL	1963
1964	7.67 LE 1 JAN	---	---	1964
1965	7.03 LE 21 JAN	6.87 LE 8 FEV	4.58 LE 23 JUN *	1965
1966	8.98 LE 2 FEV A 2245 HNE	---	---	1966
1967	8.80 LE 16 FEV A 1135 HNE	---	---	1967
1968	8.20 LE 20 JAN	8.13 LE 20 JAN *	5.32 LE 18 OCT	1968
1969	7.85 LE 17 JAN A 1320 HNE	---	---	1969
1970	7.42 LE 6 MAI	7.38 LE 6 MAI	5.48 LE 13 SEP	1970
1971	8.42 LE 23 AVR A 1843 HNE	8.37 LE 23 AVR	5.08 LE 11 DEC	1971
1972	8.24 LE 10 MAI	8.18 LE 10 MAI	5.60 LE 12 FEV	1972
1973	8.74 LE 19 MAR A 1439 HNE	8.66 LE 19 MAR	5.68 LE 22 NOV	1973
1974	8.80 LE 25 MAI A 2059 HNE	8.56 LE 23 MAI	5.76 LE 29 OCT	1974
1975	7.98 LE 22 AVR	---	---	1975
1976	9.31 LE 3 AVR A 1843 HNE *	---	---	1976
1977	7.83 LE 16 MAR A 1618 HNE	---	---	1977
1978	8.43 LE 18 FEV A 1250 HNE	---	---	1978
1979	7.83 LE 3 MAI	---	---	1979
1980	7.37 LE 17 AVR	---	---	1980
1981	8.50 LE 26 FEV A 0420 HNE	8.46 LE 28 FEV	5.48 LE 26 JUL	1981
1982	7.40 LE 29 AVR A 1046 HNE	7.38 LE 29 AVR	5.22 LE 28 OCT	1982
1983	8.16 LE 12 MAI A 1440 HNE	8.15 LE 12 MAI	5.38 LE 3 OCT	1983
1984	7.98 LE 18 AVR A 2310 HNE	7.87 LE 19 AVR	5.22 LE 4 NOV	1984
1985	7.42 LE 3 MAI A 1248 HNE	7.41 LE 3 MAI	---	1985
1986	7.48 LE 2 AVR	7.47 LE 2 AVR	5.53 LE 9 JAN	1986
1987	7.77 LE 2 AVR A 1747 HNE	7.73 LE 2 AVR	5.13 LE 18 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A POINTE-DES-CASCADES - STATION NO. 02MC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1919	21.47	21.42	21.38	21.71	22.18	21.86	21.28	21.06	21.00	21.02	21.11	21.26	21.40	1919
1920	21.82	22.18	22.87	21.56	21.25	20.81	20.87	20.77	20.88	20.81	20.83	20.83	21.22	1920
1921	21.06	21.11	21.41	21.56	21.48	21.06	20.87	20.75	20.90	20.56	20.56	20.81	20.89	1921
1922	21.43	21.67	21.48	21.62	21.72	21.26	21.14	20.94	20.78	20.67	20.57	20.75	21.18	1922
1923	21.20	22.14	22.38	21.97	21.71	21.28	20.88	20.89	20.82	20.67	20.44	20.81	21.18	1923
1924	21.17	22.01	21.56	21.50	21.77	21.34	20.98	20.83	20.73	20.79	20.81	20.81	21.18	1924
1925	21.19	21.88	22.10	21.43	21.26	21.08	20.85	20.85	20.48	20.46	20.59	20.88	21.07	1925
1926	21.11	21.17	21.31	21.33	21.46	21.20	20.88	20.88	20.54	20.59	20.95	21.22	21.04	1926
1927	21.38	21.43	21.41	21.12	21.17	21.20	21.06	20.82	20.88	20.63	20.96	21.18	21.09	1927
1928	21.36	21.88	21.72	21.97	22.16	21.80	21.28	21.14	21.01	21.22	21.28	21.08	21.46	1928
1929	21.48	21.73	21.88	21.90	22.31	21.73	21.50	21.28	21.10	21.01	21.04	21.24	21.51	1929
1930	21.70	22.17	21.88	21.88	21.83	21.59	21.58	21.21	21.00	20.85	20.70	20.85	21.38	1930
1931	20.84	21.18	20.77	20.84	20.86	20.78	20.82	20.51	20.43	20.35	20.38	20.43	20.67	1931
1932	20.85	21.13	20.83	21.50	21.18	20.82	20.84	20.77	20.78	20.87	21.03	20.80	20.95	1932
1933	20.73	20.78	20.86	21.54	21.43	20.82	20.84	20.53	20.40	20.29	20.20	20.84	20.73	1933
1934	21.51	22.86	22.09	22.03	21.29	20.75	20.47	20.20	20.10	20.06	20.01	20.41	20.87	1934
1935	21.01	21.14	21.43	20.87	20.71	20.55	20.56	20.41	20.27	20.18	20.13	20.29	20.83	1935
1936	20.89	22.63	22.20	21.34	21.65	21.11	20.83	20.41	20.37	20.48	20.59	20.54	21.06	1936
1937	21.09	21.12	21.09	21.33	21.49	21.03	20.84	20.79	20.85	20.67	20.82	20.90	20.98	1937
1938	21.11	21.38	21.55	21.85	21.44	20.89	20.73	20.73	20.65	20.62	20.63	20.63	20.89	1938
1939	20.83	21.36	21.46	21.58	21.80	21.15	20.94	20.84	20.81	20.64	20.48	20.62	21.00	1939
1940	20.87	21.34	21.29	21.32	21.16	21.26	21.00	20.72	20.83	20.62	20.63	20.72	20.95	1940
1941	21.13	20.89	21.06	21.33	20.99	20.66	20.59	20.50	20.44	20.50	20.87	20.67	20.79	1941
1942	20.86	20.80	20.86	21.33	21.16	21.06	20.79	20.72	20.64	20.59	20.65	20.86	20.88	1942
1943	21.34	21.48	21.63	21.68	22.20	21.82	21.45	21.28	21.17	21.02	21.06	21.20	21.44	1943
1944	21.80	21.83	21.41	21.17	21.33	21.07	21.01	20.81	20.83	20.74	20.84	20.77	21.10	1944
1945	21.02	21.43	21.43	21.61	21.69	21.48	21.19	21.06	21.03	21.23	21.20	21.31	21.29	1945
1946	21.83	22.06	21.86	21.37	21.23	21.20	20.87	20.80	20.80	20.81	20.90	20.98	21.21	1946
1947	21.40	21.44	21.23	21.83	22.35	22.44	21.75	21.41	21.25	21.08	20.98	21.10	21.53	1947
1948	21.21	21.02	21.35	21.58	21.62	21.35	21.20	21.12	20.84	20.81	20.80	20.77	21.14	1948
1949	21.08	21.28	21.29	21.86	21.38	21.03	20.84	20.70	20.64	20.56	20.48	20.80	20.87	1949
1950	21.07	21.10	21.13	21.81	21.40	21.24	21.10	20.98	20.90	20.82	20.90	21.08	21.11	1950
1951	21.82	21.27	21.88	22.44	21.82	21.40	21.47	21.22	21.13	21.08	21.32	21.46	21.48	1951
1952	21.68	21.53	21.55	22.02	21.81	21.72	21.47	21.37	21.21	21.13	20.97	21.13	21.48	1952
1953	21.43	21.50	21.52	21.80	21.82	21.28	21.19	21.08	21.00	20.86	20.78	20.78	21.23	1953
1954	21.11	21.12	21.38	21.87	21.80	21.46	21.24	21.08	21.07	21.30	21.31	21.27	21.32	1954
1955	21.52	21.26	21.44	22.20	21.87	21.32	21.17	21.08	20.95	20.95	21.12	21.14	21.31	1955
1956	21.22	21.04	20.86	21.50	21.62	21.47	21.23	21.15	21.20	21.11	20.91	20.89	21.18	1956
1957	21.41	21.18	21.17	21.07	21.08	21.00	21.27	20.89	20.85	20.83	20.80	20.94	21.05	1957
1958	21.20	21.13	21.01	21.38	20.97	20.68	20.88	20.77	20.76	20.80	20.72	21.03	20.98	1958
1959	20.77	20.84	20.81	21.58	21.35	21.15	20.89	20.81	20.71	20.62	20.81	20.98	20.98	1959
1960	21.28	21.16	21.13	21.89	22.07	21.84	---	21.26	20.88	20.88	20.80	20.74	---	1960
1961	21.24	20.97	20.89	21.09	21.28	21.43R	21.31	21.13	21.06	20.88	20.67	20.79	21.06R	1961
1962	21.15	21.06	20.86	21.03	20.88	20.89	20.85	20.70	20.86	20.84	20.84	20.73	20.80	1962
1963	21.06	20.96	20.70	21.00	20.59	20.57	20.57	20.82	20.83	20.58	20.58	20.88	20.73	1963
1964	21.08	20.86	20.70	20.61	20.48	20.51	20.50	20.53	20.50	20.48	20.43	20.48	20.80	1964
1965	20.81	20.75	20.38	20.53	20.54	20.39	20.48	20.59	20.87	20.94	20.90	20.99	20.88	1965
1966	21.33	21.23	21.37	21.28	20.92	20.82	20.72	20.78	20.75	20.88	20.78	21.18	20.98	1966
1967	21.21	21.39	20.91	21.39	21.26	21.07	20.98	20.90	20.81	21.22	21.72	21.54	21.21	1967
1968	21.48	21.51	21.35	21.63	21.12	20.97	21.17	21.20	21.27	21.16	21.11	21.20	21.28	1968
1969	21.58	21.50	21.39	21.83	21.80	21.65	21.60	21.58	21.36	21.11	21.18	---	---	1969
1970	---	21.35	21.13	21.41	21.51	21.27	21.32	21.35	21.21	21.24	21.31	21.40	---	1970
1971	21.50	21.42	21.44	21.98	21.95	21.35	21.15	21.14	21.18	21.11	20.94	20.93	21.34	1971
1972	21.17	21.34	21.35	21.89	22.18	21.82	21.92	21.85	21.73	21.68	21.76	21.56	21.69	1972
1973	21.57	21.76	22.13	22.27	22.25	22.15	22.04	21.79	21.72	21.88	21.51	21.40	21.85	1973
1974	21.83	21.84	21.88	22.22	22.53	22.26	21.87	21.80	21.64	21.58	21.48	21.52	21.84	1974
1975	21.38	21.37	21.63	21.98	21.90	---	21.45	21.36	21.38	21.44	21.45	21.43R	---	1975
1976	---	---	22.01	22.44	22.26	---	---	---	21.80	---	---	---	---	1976
1977	---	21.17	21.81	---	21.52	21.12	21.01	---	21.34	21.69	---	21.52	---	1977
1978	21.83	22.08	---	22.14	21.99	---	21.41	21.32	21.25	21.18	21.02	---	---	1978
1979	21.42	21.80	21.75	---	---	---	---	---	---	---	---	21.34	---	1979
1980	21.51	21.43	21.37	21.82	21.75	21.45	---	---	---	---	---	---	---	1980
1981	---	21.80	21.83	21.78	21.37	21.36	21.29	21.44	21.68	21.71	21.71	21.56	---	1981
1982	21.48	21.57	21.41	21.80	21.63	21.46	21.44	21.30	21.25	21.18	---	21.52	---	1982
1983	21.33	---	---	---	22.12	21.88	21.41	21.35	21.31	21.27	21.37	---	---	1983
1984	21.49	21.82	21.87	22.05	21.90	21.80	21.89	21.64	21.53	21.25	21.29	21.32	21.80	1984
1985	---	21.89	21.78	---	21.95	21.89	21.57	21.59	21.51	21.45	21.46	21.42	---	1985
1986	21.54	21.84	21.78	22.09	21.98	21.87	21.78	21.83	21.80	21.86	21.88	21.82	21.84	1986
1987	21.81	21.71	21.90	---	21.87	21.82	21.55	21.29	21.15	21.12	20.95	21.29	---	1987
MOYEN	21.28	21.44	21.43	21.81	21.84	21.28R	21.13	21.02	20.95	20.91	20.91	21.01R	21.18R	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 20 08
LONG 73 57 17 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A POINTE-DES-CASCADES - STATION NO. 02MC005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1919	27.37 EN JAN *	22.45 LE 28 MAI	20.98 LE 9 SEP	1919
1920	23.20 LE 9 MAR A 1730 HNE	23.14 LE 9 MAR	20.53 LE 24 OCT	1920
1921	21.79 LE 22 MAR A 2000 HNE	21.76 LE 22 MAR	20.48 LE 3 NOV	1921
1922	22.39 LE 21 AVR A 2030 HNE	22.36 LE 21 AVR	20.47 LE 7 DEC	1922
1923	22.65 LE 21 FEV A 2000 HNE	22.58 LE 22 FEV	20.38 LE 25 NOV	1923
1924	22.92 LE 23 FEV A 1430 HNE	22.78 LE 25 FEV	20.55 LE 15 NOV	1924
1925	22.59 LE 4 MAR A 1900 HNE	22.54 LE 4 MAR	20.37 LE 5 NOV	1925
1926	21.97 LE 26 AVR A 2030 HNE	21.95 LE 26 AVR	20.45 LE 5 SEP	1926
1927	21.88 LE 20 MAR	21.88 LE 20 MAR	20.55 LE 29 SEP	1927
1928	22.65 LE 9 AVR A 2200 HNE	22.59 LE 10 AVR	20.92 LE 9 SEP	1928
1929	22.52 LE 8 MAI A 2200 HNE	22.50 LE 9 MAI	20.84 LE 31 OCT	1929
1930	22.46 LE 18 FEV A 2100 HNE	22.40 LE 18 FEV	20.55 LE 25 DEC	1930
1931	21.32 LE 12 FEV A 2130 HNE	21.30 LE 12 FEV	20.31 LE 25 OCT	1931
1932	22.00 LE 13 AVR A 2300 HNE	21.97 LE 13 AVR	20.42 LE 2 JAN	1932
1933	21.88 LE 20 AVR	21.85 LE 19 AVR	20.12 LE 10 NOV	1933
1934	24.20 LE 9 FEV A 1130 HNE	23.91 LE 9 FEV *	19.94 LE 17 NOV *	1934
1935	21.75 LE 28 FEV A 2100 HNE	21.72 LE 1 MAR	20.05 LE 3 NOV	1935
1936	22.98 LE 13 FEV	22.93 LE 15 FEV	20.33 LE 26 SEP	1936
1937	22.07 LE 8 AVR A 1200 HNE	22.06 LE 8 AVR	20.44 LE 17 OCT	1937
1938	22.45 LE 26 MAR A 2400 HNE	22.42 LE 26 MAR	20.33 LE 4 DEC	1938
1939	22.61 LE 22 FEV A 1400 HNE	22.36 LE 27 FEV	20.27 LE 26 NOV	1939
1940	21.63 LE 30 JAN A 1900 HNE	21.57 LE 30 JAN	20.34 LE 3 NOV	1940
1941	21.70 LE 28 AVR A 2200 HNE	21.65 LE 28 AVR	20.32 LE 1 SEP	1941
1942	21.63 LE 20 AVR A 2100 HNE	21.56 LE 20 AVR	20.43 LE 18 OCT	1942
1943	22.68 LE 13 MAI A 2300 HNE	22.62 LE 14 MAI	20.80 LE 8 DEC	1943
1944	22.60 LE 16 FEV A 1100 HNE	22.57 LE 15 FEV	20.55 LE 21 NOV	1944
1945	22.12 LE 5 AVR A 2130 HNE	22.02 LE 5 AVR	20.52 LE 18 JAN	1945
1946	23.07 LE 21 FEV A 1430 HNE	22.82 LE 22 FEV	20.66 LE 11 OCT	1946
1947	22.75 LE 4 JUN A 2200 HNE	22.70 LE 4 JUN	20.83 LE 2 DEC	1947
1948	22.14 LE 22 MAR A 2230 HNE	22.06 LE 23 MAR	20.67 LE 1 FEV	1948
1949	21.94 LE 29 MAR A 1200 HNE	21.91 LE 29 MAR	20.36 LE 1 DEC	1949
1950	22.12 LE 7 AVR	22.07 LE 8 AVR	20.80 LE 3 JAN	1950
1951	22.82 LE 17 AVR A 2130 HNE	22.78 LE 17 AVR	21.00 LE 3 OCT	1951
1952	22.41 LE 7 AVR A 1630 HNE	22.40 LE 7 AVR	20.88 LE 18 NOV	1952
1953	22.19 LE 28 MAR A 2030 HNE	22.12 LE 31 MAR	20.85 LE 9 NOV	1953
1954	22.32 LE 18 AVR A 1800 HNE	22.27 LE 18 AVR	20.89 LE 1 JAN	1954
1955	22.50 LE 7 AVR A 2330 HNE	22.41 LE 8 AVR	20.63 LE 6 OCT	1955
1956	21.90 LE 8 AVR A 1800 HNE	21.86 LE 8 AVR	20.70 LE 31 DEC	1956
1957	21.70 LE 11 JAN A 2400 HNE	21.67 LE 10 JAN	20.71 LE 5 OCT	1957
1958	21.86 LE 30 MAR A 2000 HNE	21.81 LE 2 AVR	20.64 LE 12 NOV	1958
1959	21.89 LE 10 AVR A 1452 HNE	21.87 LE 10 AVR	20.51 LE 19 OCT	1959
1960	22.36 LE 19 MAI	---	---	1960
1961	27.37 LE 28 JUN	21.80 LE 28 MAI	20.80 LE 18 NOV	1961
1962	21.63 LE 10 AVR	21.55 LE 10 AVR	20.46 LE 1 JUN	1962
1963	21.77 LE 5 AVR A 1127 HNE	21.74 LE 5 AVR	20.41 LE 28 MAI	1963
1964	21.52 LE 15 JAN A 1948 HNE	21.48 LE 15 JAN	20.28 LE 5 AVR	1964
1965	21.24 LE 31 DEC A 2359 HNE	21.13 LE 15 DEC	20.20 LE 14 MAR	1965
1966	21.81 LE 14 JAN	21.77 LE 14 JAN	20.62 LE 9 OCT	1966
1967	21.99 LE 15 NOV	21.87 LE 15 NOV	20.50 LE 26 MAR	1967
1968	21.87 LE 3 AVR A 2150 HNE	21.83 LE 2 AVR	20.78 LE 25 DEC	1968
1969	22.13 LE 24 AVR A 2044 HNE	---	---	1969
1970	21.81 LE 31 DEC A 2359 HNE	---	---	1970
1971	22.86 LE 22 AVR A 1001 HNE	22.63 LE 22 AVR	20.74 LE 6 DEC	1971
1972	22.57 LE 6 MAI A 2145 HNE	22.53 LE 7 MAI	20.93 LE 12 JAN	1972
1973	22.77 LE 19 MAR	22.72 LE 19 MAR	21.08 LE 27 DEC	1973
1974	22.81 LE 23 MAI A 2038 HNE	22.75 LE 23 MAI	21.34 LE 7 NOV	1974
1975	22.67 LE 21 AVR A 1928 HNE	---	---	1975
1976	23.03 LE 2 AVR	---	---	1976
1977	22.46 LE 18 MAR A 1630 HNE	---	---	1977
1978	22.67 LE 14 AVR	---	---	1978
1979	22.43 LE 6 MAI	---	---	1979
1980	22.16 LE 17 AVR	---	---	1980
1981	22.34 LE 26 FEV A 0725 HNE	22.29 LE 25 FEV	21.05 LE 1 JAN	1981
1982	22.15 LE 29 AVR	22.09 LE 26 AVR	21.02 LE 12 JAN	1982
1983	22.50 LE 12 MAI A 1105 HNE	22.42 LE 12 MAI	21.13 LE 25 JAN	1983
1984	22.41 LE 18 AVR A 1818 HNE	22.37 LE 7 AVR	21.12 LE 6 JAN	1984
1985	22.26 LE 6 MAI A 1221 HNE	22.22 LE 6 MAI	20.85 LE 25 DEC	1985
1986	22.29 LE 26 MAI A 2205 HNE	22.22 LE 24 MAI	21.21 LE 13 JAN	1986
1987	22.32 LE 27 MAR A 1050 HNE	22.30 LE 27 MAR	20.84 LE 24 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A PORT-SAINT-FRANCOIS - STATION NO. 020D002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	3.87	4.75	4.38	3.57	3.40	---	---	3.42	3.61	3.35	---	1982
1983	3.88	3.93	3.85	4.88	4.01	3.48	---	3.30	---	---	---	3.87	---	1983
1984	4.04	4.00	---	3.88	---	3.48	---	---	---	---	3.16	---	---	1984
1985	---	---	---	---	---	3.28	3.08	3.24	3.44	4.13	4.04	4.03	---	1985
1986	4.18	4.18	4.61	4.84	---	---	3.41	3.49	3.37	3.38	3.85	4.14	---	1986
1987	4.08	4.32	4.03	4.83	4.70	4.12	3.88	3.84	3.47	4.08	4.81	4.43	4.18	1987
1988	5.08	4.44	4.48	5.15	4.08	3.88	3.78	3.59	3.87	3.80	3.77	3.81	4.10	1988
1989	4.09	4.25	4.07	5.30	5.38	4.44	4.18	4.04	3.87	3.82	4.13	4.03	4.28	1989
1970	3.89	4.00	3.90	4.94	5.09	4.22	4.02	3.92	3.77	3.91	4.00	4.18	4.16	1970
1971	---	---	---	5.30	5.80	4.11	3.82	3.83	3.77	3.86	3.87	3.72	---	1971
1972	3.79	3.82	4.30	5.18	5.93	4.88	4.81	4.82	4.31	4.41	4.87	4.85	4.81	1972
1973	4.83	4.80	5.57	5.87	5.88	4.99	4.71	4.43	4.22	4.27	4.11	4.36	4.78	1973
1974	4.32	4.32	4.88	5.71	5.80	5.57	4.71	4.28	4.03	3.98	4.24	4.43	4.76	1974
1975	4.21	4.14	4.55	5.21	5.17	---	---	---	---	3.89	3.92	---	---	1975
1981	---	---	---	---	---	---	3.93R	4.02R	---	4.31R	4.50R	4.23R	---	1981
1982	---	4.10R	4.19R	---	4.84R	---	3.82R	---	3.62R	3.60R	---	---	---	1982
1983	---	---	---	5.07R	5.99R	4.84R	3.84R	---	3.60R	3.63R	4.28R	---	---	1983
1984	---	---	---	5.55R	4.99R	4.67R	4.34R	4.07R	3.88R	3.82R	---	---	--	1984
1985	---	---	---	5.03R	5.03R	4.15R	---	---	---	---	---	3.91R	---	1985
1986	3.97	4.26	---	5.49	5.02	---	4.27	4.34	4.30	---	---	---	---	1986
MOYEN	4.19	4.21R	4.37R	5.10R	5.16R	4.24R	3.99R	3.89R	3.80R	3.85R	4.02R	4.07R	4.41	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.077 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 18 21
LONG 72 37 10 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

SAINT-LAURENT (FLEUVE) A PORT-SAINT-FRANCOIS - STATION NO. 020D002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987
1988	---	5.35 LE 6 AVR	3.24 LE 30 AOU	1988
1989	---	5.68 LE 24 JAN	3.20 LE 18 OCT *	1989
		5.67 LE 20 AVR	3.35 LE 20 OCT	
1970	---	5.88 LE 7 MAI	3.40 LE 18 MAR	1970
1971	---	---	---	1971
1972	---	5.42 LE 11 MAI	3.47 LE 10 JAN	1972
1973	---	5.84 LE 20 MAR	3.88 LE 5 NOV	1973
1974	---	5.93 LE 26 MAI *	3.74 LE 25 OCT	1974
1975	---	---	---	1975
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.077 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A PORTNEUF - STATION NO. 02PC005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1980	---	---	---	---	---	---	---	---	---	1.17	1.15	0.89	---	1980
1981	1.15	1.32	1.45	---	1.73	1.48	1.30	1.25	1.26	1.27	1.17	---	---	1981
1982	0.81	---	1.35	1.75	1.80	1.23	1.24	1.15	1.14	1.22	1.26	.06	---	1982
1983	1.04	0.88	1.17	1.78	1.30	1.21	1.12	1.16	---	---	1.46	1.13	---	1983
1984	1.18	1.14	1.32	1.38	---	1.19	1.15	1.07	---	1.05	1.05	1.13	---	1984
1985	1.00	1.09	1.12	1.21	1.35	1.14	1.04	1.10	1.14	1.48	1.40	---	---	1985
1986	---	---	---	---	---	1.30	1.14	1.17	1.10	1.08	1.21	1.44	---	1986
1987	1.32	1.27	1.30	1.71	1.88	1.37	1.25	1.14	1.16	1.38	1.52	1.48	1.38	1987
1988	1.54	1.28	1.84	1.80	1.44	1.26	---	1.17	1.24	1.23	1.42	---	---	1988
1989	---	1.88	1.40	1.88	1.87	1.88	1.45	1.41	1.39	1.22	1.50	1.35	---	1989
1970	1.05	---	---	---	---	---	---	---	---	1.35	1.38	1.51	---	1970
1971	1.22	1.44	1.49	1.82	2.00	1.33	1.17	1.17	1.24	1.22	1.25	1.18	1.38	1971
1972	---	---	1.85	1.80	2.17	1.87	1.88	1.85	1.48	1.47	1.82	1.60	---	1972
1973	1.34	1.62	1.87	2.12	---	---	---	1.85	1.39	1.43	1.30	1.38	---	1973
1974	1.30	1.31	1.89	2.08	2.41	1.88	1.82	1.41	1.33	1.23	1.85	1.88	1.81	1974
1975	1.35	1.33	1.82	1.83	1.88	1.81	---	1.23	1.20	1.31	1.43	---	---	1975
MOYEN	1.20	1.26	1.44	1.77	1.76	1.42	1.28	1.25	1.25	1.28	1.36	1.30	1.48	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.050 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 48 55
LONG 71 52 43 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A PORTNEUF - STATION NO. 02PC008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	2.65 LE 28 JAN	0.31 LE 18 JAN	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	2.90 LE 25 AVR	0.58 LE 6 JAN	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	2.95 LE 26 MAI *	0.28 LE 2 FEV *	1974
1975	---	---	---	1975

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.050 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A REPENTIGNY - STATION NO. 0205009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1934	---	---	---	---	---	---	---	4.47	4.41	4.41	---	---	---	1934
1935	---	---	---	---	5.80	5.10	5.13	4.83	4.85	---	---	---	---	1935
1936	---	---	---	---	5.98	5.83	5.01	4.87	4.86	4.83	---	---	---	1936
1937	---	---	---	---	5.58	5.80	5.20	5.14	4.96	4.82	---	---	---	1937
1938	---	---	---	---	---	5.49	5.08	5.13	5.10	5.00	---	---	---	1938
1939	---	---	---	---	5.83	5.82	5.46	5.35	4.93	4.90	---	---	---	1939
1940	---	---	---	---	5.22	5.04	5.48	5.01	4.98	4.78	---	---	---	1940
1941	---	---	---	---	---	5.03	4.96	4.87	4.82	4.88	---	---	---	1941
1942	---	---	---	---	5.07	5.73	---	5.09	4.98	4.80	---	---	---	1942
1943	---	---	---	---	---	5.74	5.87	5.87	5.83	5.40	---	---	---	1943
1944	---	---	---	---	5.08	5.41	---	5.10	5.12	5.07	4.87	---	---	1944
1945	---	---	---	---	5.52	5.17	---	5.38	5.42	5.78	---	---	---	1945
1946	---	---	---	---	5.84	5.71	5.26	5.20	5.08	5.14	5.30	---	---	1946
1947	---	---	---	---	7.82	---	---	5.80	5.54	5.34	5.22	---	---	1947
1948	---	---	---	---	6.18	5.72	5.44	5.34	5.14	4.89	4.86	---	---	1948
1949	---	---	---	---	6.04	5.36	5.29	4.97	4.87	4.73	4.89	---	---	1949
1950	---	---	---	---	5.93	5.56	5.29	5.18	5.11	4.94	---	---	---	1950
1951	---	---	---	---	---	5.57	5.42	5.18	5.11	4.95	4.86	4.89	---	1951
1952	---	5.63	5.83	5.89	5.67	4.75	4.80	4.63	4.56	4.81	4.78	---	---	1952
1953	---	5.87	5.48	6.06	5.07	4.82	4.48	4.54	4.83	4.82	4.87	5.30	---	1953
1954	---	---	---	---	---	---	4.48	4.38	4.33	4.38	4.30	4.71	---	1954
1955	5.45	5.69	5.03	4.78	4.80	4.40	4.32	4.58	4.78	5.43	5.30	5.38	5.00	1955
1956	---	---	6.26	5.87	5.41	5.08	4.78	4.84	4.82	4.78	4.89	5.72	---	1956
1957	5.72	---	---	6.37	6.05	5.53	5.36	4.84	4.68	5.47	5.18	5.88	---	1957
1958	---	---	---	6.49	5.44	5.12	---	5.13	5.21	5.09	5.22	5.51	---	1958
1959	5.53	5.11	5.77	---	5.88	5.93	5.71	5.61	5.36	5.07	5.55	5.82	---	1959
1970	5.87	5.71	5.53	6.23	6.35	5.62	5.50	5.42	5.20	5.35	5.45	5.83	5.68	1970
1971	6.42	6.67	6.27	6.78	6.67	5.53	5.07	5.06	5.18	5.04	4.82	5.12	5.74	1971
1972	5.46	5.74	6.07	6.86	7.28	6.30	6.32	6.12	5.84	5.88	6.15	6.22	6.17	1972
1973	6.84	6.85	7.31	7.13	7.06	6.52	6.25	5.88	5.72	5.75	5.80	5.83	6.38	1973
1974	5.98	5.90	6.56	---	7.90	7.00	6.22	5.81	5.84	5.47	5.68	5.84	---	1974
1975	5.73	5.95	6.17	6.62	---	6.95	5.32	5.16	5.19	5.41	---	5.85	---	1975
1976	---	7.00	---	---	---	---	---	---	---	---	---	---	---	1976
MOYEN	6.00	6.17	6.02	6.27	6.28	5.63	5.28	5.15	5.05	5.08	5.20	5.57	5.80	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.086 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 44 32
LONG 73 28 12 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINT-LAURENT (FLEUVE) A REPENTIGNY - STATION NO. 0208008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1934	---	---	---	1934
1935	---	---	---	1935
1936	---	---	---	1936
1937	---	---	---	1937
1938	---	---	---	1938
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	---	---	1945
1946	---	---	---	1946
1947	---	---	---	1947
1948	---	---	---	1948
1949	---	---	---	1949
1950	---	---	---	1950
1951	---	---	---	1951
1952	---	---	---	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	8.22 LE 22 JAN	4.13 LE 28 JUN *	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1970	---	7.03 LE 6 MAI	5.05 LE 13 SEP	1970
1971	---	8.00 LE 23 AVR	4.73 LE 11 DEC	1971
1972	---	7.84 LE 10 MAI	5.20 LE 16 JAN	1972
1973	---	8.36 LE 19 MAR *	5.45 LE 20 NOV	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.068 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A SOREL - STATION NO. 020JO22

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1912	5.52	5.50	5.48	7.25	6.07	5.97	4.74	4.48	4.42	4.42	5.12	5.04	5.33	1912
1913	5.02	5.11	6.83	6.84	5.80	5.06	4.58	4.32	4.18	4.33	4.49	4.63	5.25	1913
1914	5.06	5.18	5.26	5.97	5.26	4.62	4.44	4.13	4.06	3.93	3.98	4.63	4.70	1914
1915	4.84	4.83	5.01	5.03	5.03	4.43	4.22	4.15	4.10	4.05	3.95	4.05	4.48	1915
1916	4.82	4.80	4.78	5.26	5.37	5.86	4.93	4.43	4.19	4.25	4.25	4.87	4.98	1916
1917	5.26	5.32	5.52	5.32	5.73	5.70	5.18	4.84	4.38	4.45	4.60	5.11	5.20	1917
1918	5.52	5.40	5.98	5.74	5.58	4.96	4.87	4.30	4.38	4.75	5.16	5.03	5.22	1918
1919	5.81	5.57	5.88	5.38	6.83	5.77	4.76	4.43	4.38	4.51	4.82	4.88	5.32	1919
1920	4.75	5.27	5.85	5.37	5.38	4.58	4.40	4.19	4.11	4.07	4.13	4.80	4.81	1920
1921	4.86	4.86	5.71	5.77	5.41	4.52	4.25	4.08	3.84	4.03	4.12	4.48	4.67	1921
1922	4.87	5.25	5.68	5.32	5.78	5.10	4.88	4.37	4.16	4.02	3.92	4.38	4.88	1922
1923	4.72	4.46	4.59	5.86	6.22	5.03	4.38	4.09	4.08	3.92	3.96	4.28	4.63	1923
1924	5.00	4.94	5.61	5.31	5.37	5.18	4.51	4.31	4.34	4.43	4.10	4.59	4.88	1924
1925	4.82	5.30	6.24	5.95	---	4.87	4.45	4.24	3.89	4.07	4.28	4.63	---	1925
1926	5.17	4.92	4.88	5.73	5.82	5.08	4.58	4.20	4.01	4.06	4.86	5.13	4.88	1926
1927	4.94	4.96	5.89	5.10	4.99	4.88	4.69	4.45	4.10	4.15	5.19	5.20	4.88	1927
1928	5.02	5.88	5.81	6.84	6.85	5.73	4.96	4.68	4.54	4.96	5.06	4.67	5.50	1928
1929	5.89	5.72	5.13	6.48	6.74	5.55	5.05	4.69	4.38	4.37	4.42	5.11	5.36	1929
1930	5.82	5.48	5.71	5.74	5.84	5.38	5.28	4.89	4.38	4.24	4.03	4.53	5.08	1930
1931	5.01	4.83	4.62	4.77	4.73	4.48	4.18	4.17	4.20	4.17	4.24	4.38	4.48	1931
1932	5.25	5.30	5.10	6.03	5.22	4.73	4.80	4.65	4.87	5.01	5.28	5.21	5.10	1932
1933	5.22	4.87	4.82	5.28	5.95	4.89	4.48	4.38	4.19	4.02	3.96	4.57	4.80	1933
1934	4.85	4.57	4.78	5.27	5.87	4.81	4.39	3.99	3.94	3.92	3.91	4.66	4.65	1934
1935	5.18	5.08	5.21	5.31	4.95	4.58	4.58	4.31	4.14	4.03	4.13	4.33	4.85	1935
1936	4.74	4.44	5.61	5.68	5.25	5.26	4.45	4.17	4.17	4.42	4.84	4.78	4.89	1936
1937	5.51	5.34	5.28	5.92	5.88	4.88	4.61	4.65	4.38	4.34	4.75	4.90	5.03	1937
1938	5.38	5.65	5.78	6.20	5.70	4.80	4.45	4.56	4.53	4.41	4.19	4.38	4.89	1938
1939	5.28	5.14	5.19	6.11	6.08	5.10	4.78	4.70	4.32	4.31	4.23	4.48	4.87	1939
1940	4.67	4.61	4.48	5.58	5.59	5.28	4.77	4.37	4.38	4.20	4.31	5.33	4.80	1940
1941	5.47	5.24	4.98	5.71	4.95	4.44	4.38	4.32	4.28	4.38	4.72	4.72	4.80	1941
1942	5.23	5.14	5.43	5.90	5.42	5.06	4.59	4.48	4.38	4.33	4.45	4.61	4.84	1942
1943	5.82	5.38	5.71	6.51	6.74	5.91	5.19	4.95	4.77	4.68	4.88	5.08	5.45	1943
1944	5.34	5.12	5.05	5.30	5.37	4.72	4.82	4.54	4.47	4.44	4.34	4.46	4.81	1944
1945	4.68	4.80	5.86	5.76	5.74	5.35	4.83	4.66	4.69	5.04	4.95	5.28	5.12	1945
1946	5.90	5.63	5.92	6.35	6.12	4.93	4.56	4.63	4.41	4.48	4.60	4.84	5.01	1946
1947	5.59	5.66	5.55	6.43	7.04	5.97	5.60	5.02	4.77	4.59	4.50	4.62	5.53	1947
1948	5.38	5.32	5.78	5.77	5.38	4.85	4.70	4.61	4.44	4.30	4.29	4.37	4.84	1948
1949	5.27	5.17	5.41	5.89	5.25	4.63	4.56	4.33	4.23	4.08	4.08	4.24	4.76	1949
1950	5.67	5.79	5.78	6.24	5.14	4.80	4.84	4.46	4.41	4.28	4.49	4.74	5.02	1950
1951	5.32	5.15	5.77	7.17	5.83	4.88	4.95	4.69	4.65	4.57	4.99	5.22	5.26	1951
1952	5.28	5.13	5.86	6.51	5.82	5.48	4.88	4.85	4.65	4.59	4.41	4.71	5.35	1952
1953	5.56	5.51	5.83	6.06	5.38	4.71	4.59	4.52	4.38	4.25	4.09	---	---	1953
1954	5.33	5.26	5.55	6.11	5.88	5.36	4.77	4.64	4.61	5.11	5.01	4.95	5.16	1954
1955	5.23	5.42	6.13	6.90	5.50	4.81	4.54	4.48	4.38	4.38	4.58	4.71	5.08	1955
1956	5.53	5.06	5.06	5.82	5.47	5.16	4.71	4.58	4.67	4.51	4.30	4.41	4.82	1956
1957	5.20	5.23	5.26	4.73	4.63	4.45	4.88	4.25	4.20	4.20	4.49	4.72	4.88	1957
1958	5.40	5.36	5.29	5.88	4.87	4.44	4.40	4.17	4.22	4.32	4.26	---	---	1958
1959	4.72	4.93	---	---	4.99	4.84	4.27	4.17	4.07	4.08	4.49	---	---	1959
1960	5.02	5.41	5.24	6.48	---	4.99	4.87	4.53	4.19	3.82	3.98	4.32	---	1960
1961	4.96	5.15	5.09	5.38	5.07	4.77	4.63	4.40	4.39	4.23	3.98	4.31	4.69	1961
1962	4.92	5.02	4.76	5.29	4.84	4.12	3.98	4.00	3.83	4.00	4.18	---	---	1962
1963	---	4.88	4.68	5.42	4.48	3.99	3.88	3.93	4.00	3.90	4.30	---	---	1963
1964	5.06	4.89	4.81	4.97	4.28	3.99	3.89	3.81	3.74	3.77	3.73	4.13	4.22	1964
1965	4.42	4.72	4.24	4.12	4.23	3.76	3.72	3.98	4.18	4.74	4.83	4.68	4.28	1965
1966	5.51	5.48	5.44	5.21	4.79	4.48	4.18	4.34	4.25	4.18	4.40	5.06	4.77	1966
1967	5.11	5.86	5.23	5.63	5.37	4.86	4.63	4.31	4.27	4.83	5.41	5.26	5.03	1967
1968	6.03	5.49	5.38	5.78	4.81	4.47	4.57	---	4.52	4.41	4.58	4.88	---	1968
1969	5.48	5.35	5.06	5.84	5.96	5.21	4.88	4.46	4.86	4.40	4.87	4.94	5.14	1969
1970	5.19	5.05	4.83	5.55	5.87	4.82	4.77	4.70	4.53	4.87	4.74	5.17	4.98	1970
1971	5.37	5.55	5.31	6.00	6.13	4.82	4.38	4.40	4.52	4.38	4.27	4.48	4.96	1971
1972	4.68	5.02	5.28	5.85	6.48	5.52	5.48	5.31	5.02	5.08	5.34	5.48	5.38	1972
1973	5.87	5.93	6.41	6.28	6.24	5.84	5.38	5.10	4.93	4.86	4.81	5.08	5.55	1973
1974	5.18	5.13	5.66	6.29	7.08	6.13	5.37	5.00	4.76	4.89	4.93	5.08	5.44	1974
1975	4.84	5.13	5.35	5.81	5.73	5.15	4.57	4.43	4.46	4.87	4.84	---	---	1975
1976	---	5.68	5.07	6.04	6.24	5.38	5.34	5.14	4.88	4.87	4.80	4.77	---	1976
1977	5.12	4.76	5.43	5.89	5.20	4.51	4.28	4.36	4.61	---	4.98	5.21	---	1977
1978	5.63	5.72	5.28	6.16	5.84	5.01	4.88	---	4.43	4.47	4.27	4.28	---	1978
1979	4.92	---	5.51	---	6.02	---	4.86	4.83	4.86	4.95	5.06	---	---	1979
1980	---	4.81	4.89	5.51	5.23	4.82	4.69	4.83	4.87	5.01	---	---	---	1980
1981	---	---	5.42	5.70	5.18	5.04	4.64	4.77	4.88	4.88	5.14	4.84	---	1981
1982	4.78	4.87	4.85	5.88	5.32	4.88	4.55	4.42	4.42	4.35	4.64	---	---	1982
1983	4.78	5.04	5.18	5.80	---	5.56	4.62	---	4.47	4.45	---	---	---	1983
1984	4.83	5.10	5.26	6.12	5.84	5.30	5.08	---	---	4.43	4.62	---	---	1984
1985	5.27	5.32	5.30	5.83	5.80	4.82	---	---	4.86	4.86	4.70	---	---	1985
1986	4.76	---	5.15	5.88	5.52	5.15	5.00	5.12	---	5.10	5.06	---	---	1986
1987	4.85	---	5.18	5.78	4.79	4.81	4.88	4.46	4.38	---	---	4.78	---	1987
MOYEN	5.22	5.22	5.38	5.81	5.58	5.00	4.66	4.46	4.39	4.42	4.52	4.76	4.86	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 46 02 48
LONG 73 08 58 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1966

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A SOREL - STATION NO. 020J022

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1912	---	8.84 LE 23 AVR *	4.07 LE 19 OCT	1912
1913	---	8.11 LE 26 MAR	4.04 LE 28 SEP	1913
1914	---	8.30 LE 24 AVR	3.78 LE 15 OCT	1914
1915	8.87 LE 1 MAI A 1400 HNE	8.79 LE 2 MAI	3.79 LE 2 NOV	1915
1916	8.78 LE 21 MAI A 2000 HNE	8.75 LE 22 MAI	3.85 LE 22 NOV	1916
1917	7.32 LE 8 AVR	7.28 LE 8 AVR	4.11 LE 27 SEP	1917
1918	8.14 LE 6 AVR *	8.14 LE 6 AVR	4.08 LE 20 AOU	1918
1919	8.93 LE 13 AVR A 1500 HNE	8.88 LE 13 AVR	4.12 LE 6 SEP	1919
1920	7.71 LE 30 MAR A 1400 HNE	7.69 LE 30 MAR	3.74 LE 25 OCT	1920
1921	7.02 LE 25 MAR A 1400 HNE	6.98 LE 25 MAR	3.78 LE 28 SEP	1921
1922	8.78 LE 23 AVR	8.77 LE 22 AVR	3.89 LE 30 NOV	1922
1923	8.60 LE 15 AVR	8.59 LE 14 AVR	3.85 LE 22 OCT	1923
1924	7.50 LE 11 AVR	7.48 LE 11 AVR	3.77 LE 21 NOV	1924
1925	7.61 LE 31 MAR	---	---	1925
1926	7.25 LE 30 AVR	7.07 LE 27 AVR	3.83 LE 17 OCT	1926
1927	8.63 LE 21 MAR A 2144 HNE	8.60 LE 21 MAR	3.88 LE 8 OCT	1927
1928	7.87 LE 10 AVR A 2240 HNE	7.86 LE 11 AVR	4.23 LE 10 SEP	1928
1929	7.24 LE 8 AVR A 2117 HNE	7.17 LE 9 MAI	4.01 LE 1 DEC	1929
1930	8.38 LE 13 AVR	8.31 LE 11 JAN	3.78 LE 30 NOV	1930
1931	8.38 LE 2 AVR	8.31 LE 2 AVR	3.87 LE 7 SEP	1931
1932	7.00 LE 13 AVR A 2132 HNE	6.96 LE 13 AVR	4.45 LE 30 JUN	1932
1933	8.86 LE 20 AVR	8.82 LE 20 AVR	3.74 LE 13 NOV	1933
1934	7.41 LE 14 AVR A 1223 HNE	7.33 LE 14 AVR	3.89 LE 30 OCT	1934
1935	8.84 LE 3 MAI A 1900 HNE	8.81 LE 4 MAI	3.81 LE 22 OCT	1935
1936	7.37 LE 23 MAR	7.30 LE 23 MAR	4.00 LE 28 AOU	1936
1937	8.78 LE 9 AVR	8.71 LE 10 AVR	4.05 LE 18 OCT	1937
1938	7.43 LE 28 MAR A 1847 HNE	7.38 LE 28 MAR	4.01 LE 4 DEC	1938
1939	7.86 LE 24 AVR A 2133 HNE	7.80 LE 25 AVR	4.00 LE 27 NOV	1939
1940	8.47 LE 21 AVR A 1828 HNE	8.38 LE 22 AVR	4.08 LE 28 OCT	1940
1941	8.98 LE 25 AVR	8.95 LE 25 AVR	4.08 LE 1 OCT	1941
1942	8.33 LE 2 MAI	8.31 LE 2 MAI	4.17 LE 7 SEP	1942
1943	7.25 LE 15 MAI	7.24 LE 15 MAI	4.80 LE 12 OCT	1943
1944	8.87 LE 13 MAI	8.84 LE 13 MAI	4.14 LE 11 DEC	1944
1945	8.83 LE 23 MAR	8.77 LE 22 MAR	4.43 LE 21 JAN	1945
1946	8.81 LE 20 MAR	8.57 LE 19 MAR	4.29 LE 7 OCT	1946
1947	7.84 LE 25 MAI A 1427 HNE	7.80 LE 25 MAI	4.28 LE 23 NOV	1947
1948	7.25 LE 30 MAR	7.15 LE 28 MAR	4.03 LE 12 NOV	1948
1949	8.73 LE 1 AVR A 2248 HNE	8.65 LE 30 MAR	3.87 LE 2 NOV	1949
1950	7.45 LE 9 AVR A 1312 HNE	7.42 LE 7 AVR	4.08 LE 8 OCT	1950
1951	7.98 LE 5 AVR	7.93 LE 5 AVR	4.39 LE 28 SEP	1951
1952	7.19 LE 8 AVR A 1445 HNE	7.17 LE 8 AVR	4.17 LE 14 NOV	1952
1953	6.94 LE 28 MAR	---	---	1953
1954	8.71 LE 19 AVR	8.68 LE 19 AVR	4.09 LE 1 JAN	1954
1955	7.23 LE 24 AVR A 1918 HNE	7.18 LE 24 AVR	4.15 LE 27 SEP	1955
1956	8.58 LE 10 AVR A 2220 HNE	8.50 LE 10 AVR	4.03 LE 12 NOV	1956
1957	5.82 LE 24 JAN	5.79 LE 24 JAN	4.02 LE 15 OCT	1957
1958	8.28 LE 7 AVR	---	---	1958
1959	8.81 LE 27 AVR A 2335 HNE	---	---	1959
1960	8.93 LE 23 AVR	---	---	1960
1961	8.86 LE 16 AVR A 1500 HNE	8.78 LE 16 AVR	3.81 LE 3 DEC	1961
1962	8.26 LE 10 AVR A 2040 HNE	---	---	1962
1963	8.52 LE 8 AVR	---	---	1963
1964	5.84 LE 28 JAN A 1950 HNE	5.84 LE 28 JAN	3.48 LE 16 NOV	1964
1965	5.16 LE 12 FEV A 1020 HNE	5.12 LE 12 FEV	3.43 LE 29 MAR *	1965
1966	8.09 LE 28 JAN A 2332 HNE	5.91 LE 22 JAN	4.02 LE 26 SEP	1966
1967	6.38 LE 5 FEV	6.20 LE 24 FEV	4.11 LE 30 AOU	1967
1968	7.33 LE 25 JAN	---	---	1968
1969	8.48 LE 19 AVR A 1942 HNE	8.41 LE 20 AVR	4.21 LE 19 OCT	1969
1970	8.44 LE 7 MAI A 1825 HNE	8.37 LE 8 MAI	4.38 LE 13 SEP	1970
1971	7.23 LE 24 AVR	7.21 LE 24 AVR	4.15 LE 14 NOV	1971
1972	7.01 LE 10 MAI	6.97 LE 10 MAI	4.47 LE 18 JAN	1972
1973	7.51 LE 20 MAR	7.48 LE 20 MAR	4.84 LE 6 NOV	1973
1974	7.43 LE 28 MAI A 2035 HNE	7.39 LE 28 MAI	4.52 LE 29 OCT	1974
1975	8.72 LE 27 AVR A 1825 HNE	---	---	1975
1976	8.11 LE 3 AVR A 2130 HNE	---	---	1976
1977	8.87 LE 18 MAR	---	---	1977
1978	8.78 LE 22 AVR	---	---	1978
1979	8.81 LE 2 MAI A 2020 HNE	---	---	1979
1980	8.13 LE 17 AVR A 1707 HNE	---	---	1980
1981	7.10 LE 28 FEV A 0650 HNE	7.09 LE 28 FEV	4.41 LE 28 JUL	1981
1982	8.30 LE 29 AVR A 2325 HNE	8.27 LE 29 AVR	4.06 LE 26 OCT	1982
1983	8.88 LE 13 MAI A 1510 HNE	8.86 LE 13 MAI	4.25 LE 31 OCT	1983
1984	8.86 LE 19 AVR	8.83 LE 19 AVR	4.14 LE 4 NOV	1984
1985	8.20 LE 4 MAI A 1737 HNE	8.18 LE 4 MAI	---	1985
1986	8.44 LE 3 AVR	8.42 LE 2 AVR	4.33 LE 1 JAN	1986
1987	8.78 LE 2 AVR A 1859 HNE	8.72 LE 2 AVR	4.12 LE 18 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A TRACY - STATION NO. 020J027

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	4.888	---	---	5.858	---	5.003	4.852	4.828	---	4.588	4.458	4.978	---	1987
MOYEN	4.888	---	---	5.858	---	5.003	4.852	4.828	---	4.588	4.458	4.978	---	MOYEN

PLAN DE REFERENCE - GEODESIQUES

LOCATION - LAT 45 55 48
LONG 73 10 28 DEBIT NATUREL

SAINT-LAURENT (FLEUVE) A TRACY - STATION NO. 020J027

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1987	6.913 LE 2 AVR A 1740 HNE *	6.891 LE 2 AVR *	4.114 LE 15 NOV *	1987

PLAN DE REFRENCE - GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A TROIS-RIVIERES - STATION NO. 02NG010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1900	---	---	---	---	5.35	4.48	4.41	3.88	3.84	3.74	---	---	---	1900
1901	---	---	---	---	5.56	4.80	3.88	3.54	3.32	3.32	3.30	---	---	1901
1902	---	---	---	---	---	4.87	4.30	3.99	3.80	3.81	3.97	---	---	1902
1903	---	---	---	---	---	4.48	4.35	3.98	3.89	3.89	---	---	---	1903
1906	---	---	---	---	---	4.88	3.98	3.51	3.27	3.33	---	---	---	1906
1912	---	---	---	---	---	---	---	---	3.78	4.06	4.58	---	---	1912
1913	---	---	---	---	5.33	4.47	3.94	3.90	3.46	3.88	3.89	---	---	1913
1914	---	---	---	---	4.71	4.02	3.76	3.37	3.33	3.25	---	---	---	1914
1915	---	---	---	---	4.53	3.88	3.59	3.40	3.34	3.40	3.38	---	---	1915
1916	---	---	---	---	5.79	5.26	4.26	3.74	3.60	3.83	---	---	---	1916
1917	---	---	---	---	5.15	5.12	4.57	4.21	3.71	3.85	3.97	---	---	1917
1918	---	---	---	---	5.07	4.42	4.30	3.88	3.78	4.12	---	---	---	1918
1919	---	---	---	---	5.08	5.10	4.13	3.78	3.70	3.88	---	---	---	1919
1920	---	---	---	---	4.88	4.01	---	3.53	3.45	3.47	---	---	---	1920
1921	---	---	---	---	4.81	3.91	3.80	3.38	3.26	3.81	---	---	---	1921
1922	---	---	---	---	5.15	4.50	4.03	3.86	3.46	3.38	---	---	---	1922
1923	---	---	---	---	5.68	---	3.89	3.40	---	---	---	---	---	1923
1924	---	---	---	---	---	4.80	3.88	3.63	3.71	3.85	3.58	3.85	---	1924
1925	3.70	4.71	5.50	5.34	4.80	4.32	3.85	3.60	3.35	3.52	3.75	3.77	4.19	1925
1926	3.85	3.80	3.63	4.47	5.40	4.61	3.94	3.52	3.33	3.44	4.05	3.92	3.87	1926
1927	3.73	3.73	4.48	4.41	4.43	4.30	4.08	3.77	3.41	3.85	4.67	4.53	4.09	1927
1928	4.25	4.11	4.06	5.78	5.32	5.18	4.35	4.01	3.88	4.23	4.42	4.06	4.55	1928
1929	4.06	3.89	4.55	5.64	5.16	4.95	4.43	3.94	3.72	3.78	3.84	3.78	4.41	1929
1930	4.54	4.23	4.53	5.06	5.10	4.80	4.55	4.04	3.68	3.55	3.38	3.38	4.25	1930
1931	3.54	3.57	3.73	4.20	4.11	3.83	3.44	3.28	3.24	3.18	3.24	3.33	3.56	1931
1932	3.84	3.68	3.77	5.24	4.48	3.89	3.73	3.65	3.63	4.08	4.31	3.73	4.03	1932
1933	3.91	3.68	3.67	5.57	5.28	4.05	3.80	3.38	3.20	3.08	3.05	3.48	3.82	1933
1934	3.89	3.33	3.80	5.49	4.89	3.86	3.44	2.94	2.80	2.91	2.99	3.16	3.63	1934
1935	3.74	3.47	3.80	4.45	4.16	3.73	3.59	3.28	3.12	3.07	3.23	3.08	3.56	1935
1936	3.28	3.15	4.58	4.85	5.56	4.38	3.51	3.17	3.22	3.67	3.78	3.47	3.68	1936
1937	4.17	4.03	3.90	4.89	5.18	4.11	3.85	3.63	3.37	3.42	3.84	3.68	3.89	1937
1938	3.58	4.14	4.38	5.44	5.01	3.89	3.54	3.68	3.84	3.58	3.40	3.61	3.89	1938
1939	3.84	4.00	4.02	5.06	5.45	4.36	4.01	3.81	3.48	3.55	3.48	3.41	4.03	1939
1940	3.47	3.50	3.51	4.73	5.01	4.58	3.85	3.45	3.42	3.27	3.44	3.68	3.83	1940
1941	4.00	3.89	3.56	4.78	4.14	3.55	3.44	3.30	3.32	3.48	3.93	3.84	3.74	1941
1942	3.62	3.70	4.26	5.18	4.72	4.26	3.85	3.47	3.37	3.37	3.80	3.75	3.81	1942
1943	4.81	4.41	4.78	5.84	5.11	5.21	4.37	4.08	3.88	3.82	4.11	3.88	4.58	1943
1944	3.88	3.73	3.83	4.41	4.87	3.87	3.71	3.58	3.50	3.84	3.81	3.37	3.80	1944
1945	3.45	3.59	4.83	5.15	5.06	4.58	3.85	3.68	3.73	4.21	4.14	4.06	4.19	1945
1946	4.28	4.23	4.89	4.88	4.45	4.16	3.87	3.58	3.41	3.80	3.80	3.91	4.05	1946
1947	4.13	4.52	4.38	5.83	5.41	5.30	4.83	4.17	3.89	3.72	3.73	3.84	4.80	1947
1948	3.62	4.20	4.70	4.98	4.71	4.16	3.84	3.67	3.61	3.62	3.46	3.47	3.89	1948
1949	3.85	3.80	4.31	5.21	4.58	3.84	3.58	3.34	3.28	3.19	3.30	3.43	3.82	1949
1950	3.75	4.02	4.49	5.17	4.52	4.18	3.77	3.57	3.51	3.46	2.81	3.94	4.01	1950
1951	4.13	4.02	4.73	5.45	5.19	4.15	4.12	3.80	3.68	3.76	4.28	4.32	4.38	1951
1952	4.86	4.74	4.74	5.77	5.30	4.83	4.10	4.00	3.78	3.82	3.70	4.01	4.48	1952
1953	4.13	4.28	4.84	5.47	4.72	3.98	3.78	3.59	3.51	3.42	3.38	3.48	4.04	1953
1954	3.83	4.11	4.49	5.38	5.08	4.71	4.04	---	3.82	4.43	4.33	4.26	---	1954
1955	4.36	4.25	4.76	5.08	4.88	4.12	3.74	3.61	3.48	3.89	3.83	3.98	4.20	1955
1956	4.09	3.86	3.83	4.84	4.62	4.49	3.86	3.80	3.90	3.82	3.83	3.72	4.07	1956
1957	4.11	4.42	4.47	4.11	---	3.80	4.25	3.89	---	3.84	3.86	4.08	---	1957
1958	4.12	---	4.27	5.08	4.08	3.84	3.77	3.54	3.61	3.89	3.87	3.87	---	1958
1959	3.87	3.86	3.89	5.11	4.40	4.01	3.81	3.51	3.41	3.44	3.86	3.96	3.91	1959
1960	3.93	4.36	4.35	5.74	5.63	4.35	4.20	3.85	3.60	3.30	3.27	3.32	4.18	1960
1961	3.99	---	4.21	---	---	4.14	---	3.73	3.75	3.86	3.27	3.57	---	1961
1962	3.72	4.01	3.81	---	4.30	3.63	3.36	3.35	3.26	3.36	3.65	3.31	---	1962
1963	3.82	3.87	3.80	4.60	3.86	3.38	3.21	3.25	3.33	3.25	3.74	3.59	3.86	1963
1964	3.97	3.91	4.00	3.99	3.75	3.40	3.25	3.12	3.02	3.09	3.12	3.34	3.49	1964
1965	3.52	3.80	3.49	3.59	3.72	3.22	3.04	3.21	3.38	4.06	3.83	3.90	3.57	1965
1966	4.06	4.10	4.50	4.83	4.14	3.74	3.35	3.44	3.33	3.33	3.89	4.17	3.88	1966
1967	3.88	4.24	3.95	4.83	4.62	4.05	3.82	3.67	3.41	4.01	4.51	4.33	4.10	1967
1968	4.38	4.38	4.43	5.04	3.98	3.52	3.67	3.53	3.60	3.54	3.70	3.82	4.02	1968
1969	4.02	4.22	4.01	5.15	5.27	4.38	4.07	3.98	3.78	3.84	4.04	3.84	4.20	1969
1970	3.82	3.82	3.82	4.82	4.87	4.12	3.83	---	3.70	3.83	3.91	4.08	---	1970
1971	3.98	4.22	4.24	5.15	5.45	4.00	3.84	3.84	3.88	3.87	3.48	3.82	4.06	1971
1972	3.67	3.82	4.18	5.04	5.78	4.77	4.88	4.82	4.21	4.31	4.58	4.44	4.80	1972
1973	4.53	4.88	5.43	5.84	5.84	4.88	4.58	4.32	4.12	4.18	4.01	4.24	4.87	1973
1974	4.22	4.22	4.78	5.58	5.48	5.43	4.89	4.18	3.84	3.87	4.18	4.32	4.84	1974
1975	4.11	4.04	4.43	5.07	5.05	4.40	3.76	---	---	3.84	---	---	---	1975
1976	---	4.56	5.03	5.28	5.56	4.58	4.85	4.35	4.08	---	4.04	---	---	1976
1977	---	3.76	4.57	---	4.50	---	---	3.48	---	4.39	---	4.29	---	1977
MOYEN	3.97	4.02	4.29	5.09	5.00	4.32	3.91	3.66	3.54	3.63	3.77	3.77	4.06	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 0.050 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 30 08
LONG 72 32 38

REGULARISE

DONNEES FOURNIES PAR -
SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

SAINT-LAURENT (FLEUVE) A TROIS-RIVIERES - STATION NO. 02NG010

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1900	---	---	---	1900
1901	---	---	---	1901
1902	---	---	---	1902
1903	---	---	---	1903
1904	---	---	---	1904
1905	---	---	---	1905
1906	---	---	---	1906
1907	---	---	---	1907
1908	---	---	---	1908
1909	---	---	---	1909
1910	---	---	---	1910
1911	---	---	---	1911
1912	---	---	---	1912
1913	---	---	---	1913
1914	---	---	---	1914
1915	---	---	---	1915
1916	---	---	---	1916
1917	---	---	---	1917
1918	---	---	---	1918
1919	---	---	---	1919
1920	---	---	---	1920
1921	---	---	---	1921
1922	---	---	---	1922
1923	---	---	---	1923
1924	---	---	---	1924
1925	---	7.15 LE 31 MAR *	2.82 LE 30 DEC	1925
1926	---	6.20 LE 27 AVR	3.13 LE 1 OCT	1926
1927	---	5.59 LE 22 MAR	3.17 LE 8 OCT	1927
1928	---	6.80 LE 26 MAI	3.50 LE 10 SEP	1928
1929	---	6.62 LE 9 MAI	3.22 LE 12 DEC	1929
1930	---	5.54 LE 12 AVR	3.01 LE 17 DEC	1930
1931	---	4.77 LE 3 AVR	2.90 LE 7 SEP	1931
1932	---	6.34 LE 13 AVR	3.29 LE 19 DEC	1932
1933	---	6.19 LE 21 AVR	2.64 LE 12 NOV	1933
1934	---	6.52 LE 14 AVR	2.40 LE 30 OCT	1934
1935	---	4.95 LE 3 MAI	2.39 LE 23 DEC *	1935
1936	---	6.64 LE 23 MAR	2.81 LE 3 FEV	1936
1937	---	5.65 LE 11 AVR	2.98 LE 14 OCT	1937
1938	---	6.12 LE 1 AVR	2.73 LE 31 DEC	1938
1939	---	6.64 LE 25 AVR	2.81 LE 1 JAN	1939
1940	---	5.75 LE 22 AVR	3.05 LE 14 OCT	1940
1941	---	5.32 LE 25 AVR	2.91 LE 18 AOU	1941
1942	---	5.79 LE 2 MAI	2.90 LE 16 DEC	1942
1943	---	6.56 LE 15 MAI	3.32 LE 17 DEC	1943
1944	---	5.25 LE 11 MAI	3.10 LE 11 DEC	1944
1945	---	6.11 LE 6 AVR	3.03 LE 22 JAN	1945
1946	---	5.61 LE 19 MAR	3.17 LE 7 SEP	1946
1947	---	7.02 LE 24 MAI	3.37 LE 28 OCT	1947
1948	---	6.24 LE 28 MAR	2.99 LE 27 DEC	1948
1949	---	5.82 LE 1 AVR	2.91 LE 17 OCT	1949
1950	---	5.80 LE 8 AVR	3.06 LE 28 DEC	1950
1951	---	6.86 LE 6 AVR	3.41 LE 27 SEP	1951
1952	---	6.37 LE 9 AVR	3.35 LE 14 NOV	1952
1953	---	6.35 LE 31 MAR	3.12 LE 1 DEC	1953
1954	---	---	---	1954
1955	---	6.51 LE 24 AVR	3.14 LE 27 SEP	1955
1956	---	5.48 LE 10 AVR	3.26 LE 12 NOV	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	5.97 LE 10 AVR	3.00 LE 27 SEP	1959
1960	---	6.32 LE 19 AVR	2.88 LE 14 OCT	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	5.58 LE 6 AVR	2.83 LE 1 AOU	1963
1964	---	4.69 LE 17 AVR	2.83 LE 16 SEP	1964
1965	---	4.48 LE 25 OCT	2.68 LE 29 MAR	1965
1966	---	5.16 LE 28 MAR	3.06 LE 26 SEP	1966
1967	---	5.20 LE 6 AVR	3.18 LE 30 AOU	1967
1968	---	6.67 LE 24 JAN	3.13 LE 16 OCT	1968
1969	---	5.72 LE 20 AVR	3.27 LE 6 OCT	1969
1970	---	6.50 LE 24 AVR	3.27 LE 2 AOU	1970
1971	---	5.28 LE 11 MAI	3.38 LE 12 FEV	1971
1972	---	6.89 LE 20 MAR	3.77 LE 6 NOV	1972
1973	---	6.78 LE 26 MAI	3.64 LE 25 OCT	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 0.060 M POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A VARENNES - STATION NO. 020A050

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1897	---	---	---	---	7.50	6.63	5.82	5.61	5.25	4.82	5.04	6.08	---	1897
1898	7.86	7.79	8.93	8.67	8.36	6.23	5.87	5.42	5.28	5.37	---	---	---	1898
1899	---	---	---	---	7.63	6.53	5.95	---	5.07	5.30	---	---	---	1899
1900	---	---	---	---	---	---	---	---	---	---	---	---	---	1900
1901	---	---	---	---	8.94	6.19	6.07	5.76	5.36	5.40	---	---	---	1901
					7.13	6.42	5.80	5.29	5.11	5.02	4.86	---	---	
1913	---	---	---	---	---	6.15	---	---	5.20	5.28	5.53	---	---	1913
1914	---	---	---	---	---	5.81	5.43	5.09	5.00	---	---	---	---	1914
1915	---	---	---	---	8.92	5.40	5.18	---	5.08	5.04	4.81	---	---	1915
1916	---	---	---	---	7.52	8.98	8.00	6.49	5.21	5.23	---	---	---	1916
1917	---	---	---	---	8.78	8.76	8.28	5.82	5.48	5.46	---	---	---	1917
1918	---	---	---	---	---	8.07	5.93	5.38	5.42	5.81	---	---	---	1918
1919	---	---	---	---	7.78	8.94	8.84	8.47	5.40	5.85	---	---	---	1919
1920	---	---	---	---	8.34	8.85	8.38	8.18	8.06	4.97	---	---	---	1920
1921	---	---	---	---	8.45	8.88	8.24	8.06	4.88	4.88	---	---	---	1921
1922	---	---	---	---	8.88	8.04	8.82	---	8.08	4.84	---	---	---	1922
1923	---	---	---	---	7.20	8.08	8.34	8.02	4.89	---	---	---	---	1923
1924	---	---	---	---	7.34	6.23	8.81	8.27	5.22	5.38	---	8.32	---	1924
1925	8.73	7.03	7.87	7.18	8.28	5.88	5.48	5.18	4.85	4.88	5.13	5.88	8.01	1925
1926	7.48	8.78	8.80	7.83	8.87	8.11	8.84	5.12	4.89	4.98	5.80	7.28	6.22	1926
1927	7.78	7.38	8.12	8.38	8.88	5.93	5.71	8.47	8.04	8.07	8.02	8.17	8.28	1927
1928	8.49	8.52	8.32	---	7.91	8.77	8.01	8.78	8.88	8.03	8.18	8.73	---	1928
1929	8.05	8.38	8.77	7.95	7.88	8.84	8.18	8.88	8.42	8.38	8.42	7.13	8.88	1929
1930	8.00	7.48	7.88	7.03	8.82	8.42	8.38	8.72	8.34	8.18	4.87	8.88	8.38	1930
1931	7.29	7.18	8.48	8.85	8.81	8.38	8.83	4.88	4.82	4.88	4.80	8.08	8.88	1931
1932	8.88	7.78	7.87	7.18	8.11	8.88	8.44	8.44	8.88	8.88	8.18	8.87	8.23	1932
1933	7.18	8.82	8.18	7.38	8.88	8.78	8.24	8.12	4.88	4.71	4.82	8.88	8.88	1933
1934	8.33	8.81	8.27	7.41	8.81	8.83	8.13	4.84	4.88	4.88	4.84	8.81	8.84	1934
1935	8.88	8.34	8.48	8.21	8.88	8.38	8.34	---	4.83	4.88	4.78	8.24	---	1935
1936	8.28	8.87	8.88	8.81	7.17	8.13	8.21	4.88	4.88	8.12	8.37	8.88	8.82	1936
1937	7.38	7.83	8.88	7.21	8.88	8.48	8.48	8.34	8.18	8.11	8.88	8.88	8.13	1937
1938	7.38	7.18	7.33	7.28	8.84	8.88	8.25	8.31	8.28	8.18	4.84	8.08	8.84	1938
1939	8.83	8.38	8.48	7.21	7.82	8.82	8.84	8.84	8.11	8.87	8.88	8.81	8.88	1939
1948	8.88	8.47	8.87	8.81	8.48	8.24	8.88	8.21	8.17	4.88	8.88	8.83	8.88	1948
1941	8.87	8.83	8.33	8.73	8.83	8.22	8.13	8.88	8.81	8.14	8.81	8.82	8.78	1941
1942	7.33	8.88	7.84	8.88	8.24	8.81	8.38	8.28	8.17	8.88	8.23	8.14	8.88	1942
1943	7.38	7.17	7.28	7.81	7.78	8.88	8.18	8.48	8.78	8.82	8.78	7.81	8.72	1943
1944	7.88	7.48	8.81	8.43	8.31	8.88	8.82	8.41	8.34	8.27	8.18	8.82	8.11	1944
1945	7.81	8.84	7.48	8.88	8.78	8.37	8.78	8.88	8.82	8.88	8.88	8.78	8.38	1945
1946	8.41	7.82	7.88	8.38	8.88	8.81	8.48	8.43	8.28	8.38	8.58	8.88	8.24	1946
1947	7.84	7.87	7.18	7.71	8.12	8.18	8.88	8.83	8.78	8.88	8.44	8.88	8.78	1947
1948	7.88	7.88	7.38	8.78	8.38	8.83	8.88	8.88	8.38	8.18	8.18	8.27	8.11	1948
1949	8.88	7.88	7.18	8.83	8.24	8.88	8.82	8.17	8.88	8.88	8.87	8.87	8.82	1949
1958	7.82	7.38	8.82	7.38	8.18	8.77	8.81	8.48	8.33	8.18	8.38	8.88	8.18	1958
1951	8.48	7.88	7.78	8.42	8.87	8.81	8.82	8.88	8.88	8.88	8.88	8.23	8.71	1951
1952	8.27	8.34	7.48	7.83	7.88	8.88	8.88	8.82	8.87	8.88	8.37	8.73	8.82	1952
1953	8.82	8.88	7.88	7.89	8.33	8.78	8.88	8.88	8.31	8.18	4.88	8.88	8.18	1953
1954	7.31	7.28	8.88	---	8.82	8.31	8.78	8.82	8.87	8.12	---	8.83	---	1954
1955	8.18	7.72	7.78	7.87	8.42	8.77	8.48	8.48	8.27	8.32	8.81	8.83	8.22	1955
1956	7.81	8.83	8.43	---	8.48	8.17	8.71	8.87	8.78	8.84	8.24	8.32	---	1956
1957	7.77	7.48	8.78	---	8.88	8.38	8.81	8.17	8.12	8.13	8.38	8.88	---	1957
1958	7.44	7.12	8.78	8.84	8.47	8.28	8.24	8.88	8.87	8.18	8.13	8.83	8.88	1958
1959	8.41	8.87	8.38	8.88	8.88	---	8.12	8.81	4.83	4.82	---	---	---	1959
1960	7.42	8.87	8.83	7.82	7.31	---	---	---	---	---	---	---	---	1960
1961	---	---	---	---	8.88	8.77	8.83	8.38	8.32	8.18	4.88	8.18	---	1961
1962	8.88	8.88	8.83	---	---	4.83	4.78	---	4.74	4.78	4.88	---	---	1962
1963	8.83	8.22	8.78	8.24	8.28	8.88	4.87	4.73	4.82	4.71	8.87	8.88	8.38	1963
1964	8.81	8.88	8.88	8.33	4.88	4.78	4.87	4.88	4.81	4.83	4.48	4.88	8.88	1964
1965	8.77	8.84	8.23	4.88	8.87	4.87	4.48	4.78	4.87	8.83	8.83	8.81	8.22	1965
1966	8.84	---	---	8.12	8.88	8.33	4.87	8.12	8.81	4.88	8.28	8.88	---	1966
1967	8.84	---	8.38	8.88	8.28	8.78	8.48	8.14	8.18	8.78	8.48	8.22	---	1967
1968	7.88	---	8.88	8.72	8.87	8.33	8.48	8.38	8.48	8.33	8.48	---	---	1968
1969	8.88	8.34	8.81	8.88	8.88	8.28	8.88	8.88	8.88	8.38	8.48	8.83	8.11	1969
1978	8.11	8.84	8.74	8.48	8.87	8.84	8.72	8.88	8.43	8.88	8.87	8.18	8.81	1978
1971	8.88	8.82	8.48	7.88	7.88	8.78	8.28	8.28	8.41	8.28	8.13	8.32	8.88	1971
1972	8.88	8.88	8.33	8.87	7.48	8.82	8.88	8.38	8.88	8.12	8.48	8.43	8.48	1972
1973	7.84	7.18	7.82	7.38	7.28	8.77	8.58	8.14	8.88	8.88	8.48	8.84	8.83	1973
1974	8.28	8.18	8.77	7.33	8.88	7.23	8.48	8.88	8.78	8.73	8.81	8.88	8.48	1974
1975	8.88	8.18	8.37	8.84	8.73	---	8.87	---	8.42	8.84	8.78	---	---	1975
1976	---	---	7.33	---	7.28	8.47	---	---	8.87	8.88	8.78	8.71	---	1976
1977	8.18	8.88	8.42	8.88	8.13	8.37	8.14	8.24	8.82	8.18	8.88	8.18	8.88	1977
1978	---	---	8.41	7.18	8.83	8.88	8.88	8.44	8.33	8.37	8.18	8.11	---	1978
1979	---	8.88	---	---	7.18	---	8.83	8.88	8.78	8.88	---	---	---	1979
1988	---	---	8.82	8.88	8.27	8.81	8.87	8.81	---	---	8.88	---	---	1988
1981	---	---	---	8.71	8.18	---	8.88	---	8.88	---	---	---	---	1981
1982	---	---	---	8.83	8.28	8.84	8.88	8.31	---	---	---	---	---	1982
1983	8.88	8.82	8.11	8.83	---	8.82	8.88	8.44	8.34	8.28	8.88	---	---	1983
1984	---	8.88	8.18	7.13	8.82	---	8.84	---	8.88	8.31	8.48	---	---	1984
1985	---	8.33	8.38	8.88	8.88	8.88	8.73	8.83	8.81	8.88	8.88	8.82	---	1985
1986	---	---	8.18	8.83	8.84	8.18	8.88	8.11	8.87	8.18	8.13	8.18	---	1986
1987	---	---	8.24	8.78	8.78	8.88	8.87	8.38	8.28	8.28	8.17	---	---	1987
MOYEN	7.87	8.88	8.81	8.88	8.88	8.87	8.81	8.41	8.28	8.32	8.41	8.88	8.18	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 41 08
LONG 73 28 38
REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A VARENNES - STATION NO. 020A050

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1897	7.02 EN MAI	---	---	1897
1898	---	10.32 LE 21 MAR *	5.01 LE 12 OCT	1898
1899	7.02 EN MAI	---	---	1899
1900	7.02 EN MAI	---	---	1900
1901	7.02 EN MAI	---	---	1901
1913	7.39 LE 10 MAI	---	---	1913
1914	8.87 LE 12 MAI	---	---	1914
1915	8.86 LE 1 MAI A 2000 HNE	---	---	1915
1916	7.93 LE 21 MAI A 2300 HNE	---	---	1916
1917	7.21 LE 13 JUN A 1700 HNE	---	---	1917
1918	7.05 LE 21 NOV	---	---	1918
1919	8.09 LE 28 MAI	---	---	1919
1920	6.85 LE 4 MAI	---	---	1920
1921	7.00 LE 1 MAI A 1200 HNE	---	---	1921
1922	7.97 LE 21 AVR A 1900 HNE	---	---	1922
1923	---	---	---	1923
1924	7.92 LE 20 DEC A 1500 HNE	---	---	1924
1925	8.81 LE 2 AVR A 1500 HNE	8.81 LE 2 AVR	4.66 LE 8 NOV	1925
1926	9.56 LE 28 AVR A 1500 HNE	9.49 LE 28 AVR	4.72 LE 17 OCT	1926
1927	9.42 LE 21 MAR	9.36 LE 21 MAR	4.67 LE 25 SEP	1927
1928	11.18 LE 14 AVR A 1200 HNE *	---	---	1928
1929	9.89 LE 24 MAR	9.88 LE 24 MAR	5.00 LE 30 NOV	1929
1930	8.86 LE 10 JAN A 1500 HNE	8.86 LE 10 JAN	4.74 LE 30 NOV	1930
1931	7.89 LE 11 JAN A 1500 HNE	7.98 LE 12 JAN	4.75 LE 8 SEP	1931
1932	8.41 LE 13 FEV	8.41 LE 13 FEV	5.28 LE 2 JUL	1932
1933	7.84 LE 4 AVR	7.81 LE 20 AVR	4.40 LE 13 NOV	1933
1934	8.62 LE 14 AVR	8.60 LE 14 AVR	4.28 LE 30 OCT	1934
1935	7.17 LE 11 JAN A 1500 HNE	---	---	1935
1936	8.80 LE 23 MAR	8.50 LE 22 MAR	4.72 LE 27 SEP	1936
1937	8.84 LE 9 AVR	8.81 LE 9 AVR	4.82 LE 18 OCT	1937
1938	9.23 LE 29 MAR A 1800 HNE	9.18 LE 29 MAR	4.71 LE 4 DEC	1938
1939	8.78 LE 24 AVR	8.68 LE 24 AVR	4.76 LE 27 NOV	1939
1940	7.87 LE 21 DEC	7.54 LE 21 DEC	4.83 LE 12 NOV	1940
1941	7.87 LE 1 JAN A 1800 HNE	7.67 LE 1 JAN	4.84 LE 1 OCT	1941
1942	7.84 LE 25 DEC A 1700 HNE	7.79 LE 9 JAN	4.93 LE 19 OCT	1942
1943	8.77 LE 27 DEC	8.77 LE 27 DEC	5.43 LE 7 DEC	1943
1944	8.31 LE 1 JAN	8.29 LE 1 JAN	4.97 LE 7 DEC	1944
1945	9.07 LE 27 DEC A 1700 HNE	9.06 LE 27 DEC	5.43 LE 18 SEP	1945
1946	8.94 LE 9 JAN A 1700 HNE	8.94 LE 8 JAN	5.12 LE 2 DEC	1946
1947	8.71 LE 9 AVR	8.59 LE 9 AVR	5.29 LE 3 DEC	1947
1948	8.72 LE 30 MAR	8.69 LE 30 MAR	4.92 LE 10 NOV	1948
1949	8.37 LE 23 JAN	8.34 LE 23 JAN	4.71 LE 1 NOV	1949
1950	8.84 LE 8 AVR	8.82 LE 8 AVR	5.01 LE 8 OCT	1950
1951	8.79 LE 3 AVR	8.77 LE 3 AVR	5.41 LE 27 SEP	1951
1952	9.14 LE 16 JAN	9.10 LE 16 JAN	5.18 LE 14 NOV	1952
1953	9.05 LE 16 JAN A 1700 HNE	9.03 LE 16 JAN	4.82 LE 30 NOV	1953
1954	8.24 LE 12 JAN A 1800 HNE	---	---	1954
1955	8.58 LE 12 FEV A 1000 HNE	8.54 LE 12 FEV	5.10 LE 27 SEP	1955
1956	8.71 LE 5 JAN A 1700 HNE	---	---	1956
1957	8.22 LE 23 JAN	---	---	1957
1958	8.28 LE 18 JAN A 1000 HNE	8.25 LE 17 JAN	4.81 LE 7 OCT	1958
1959	8.18 LE 9 AVR A 1800 HNE	---	---	1959
1960	8.03 LE 5 JAN	---	---	1960
1961	8.81 LE 4 MAI	---	---	1961
1962	7.85 LE 16 JAN	---	---	1962
1963	7.62 LE 8 AVR	7.55 LE 8 AVR	4.48 LE 31 JUL	1963
1964	7.39 LE 2 JAN	7.35 LE 2 JAN	4.24 LE 16 NOV *	1964
1965	8.66 LE 21 JAN	8.64 LE 22 JAN	4.37 LE 29 MAR	1965
1966	8.47 LE 15 JAN	---	---	1966
1967	7.80 LE 28 FEV A 1815 HNE	---	---	1967
1968	8.85 LE 20 JAN	---	---	1968
1969	7.91 LE 17 JAN A 1301 HNE	7.67 LE 17 JAN	5.13 LE 19 OCT	1969
1970	7.29 LE 6 MAI	7.25 LE 6 MAI	5.29 LE 13 SEP	1970
1971	8.25 LE 23 AVR A 2124 HNE	8.21 LE 23 AVR	4.94 LE 11 DEC	1971
1972	8.08 LE 10 MAI	8.03 LE 10 MAI	5.41 LE 18 JAN	1972
1973	8.59 LE 19 MAR A 1713 HNE	8.53 LE 19 MAR	5.69 LE 21 NOV	1973
1974	8.42 LE 25 MAI A 2047 HNE	8.38 LE 25 MAI	5.58 LE 29 OCT	1974
1975	7.79 LE 22 AVR	---	---	1975
1976	9.16 LE 3 AVR A 1350 HNE	---	---	1976
1977	7.66 LE 18 MAR A 1551 HNE	7.62 LE 18 MAR	5.05 LE 11 JUL	1977
1978	7.79 LE 8 FEV A 1630 HNE	---	---	1978
1979	7.85 LE 3 MAI	---	---	1979
1980	7.21 LE 17 AVR	---	---	1980
1981	8.29 LE 28 FEV A 0540 HNE	8.28 LE 28 FEV	5.33 LE 26 JUL	1981
1982	7.32 LE 29 AVR A 1113 HNE	7.29 LE 29 AVR	---	1982
1983	8.03 LE 12 MAI A 0403 HNE	8.00 LE 12 MAI	5.10 LE 31 OCT	1983
1984	7.86 LE 19 AVR A 2310 HNE	7.80 LE 19 AVR	---	1984
1985	7.29 LE 4 MAI	7.27 LE 3 MAI	5.16 LE 26 DEC	1985
1986	7.33 LE 2 AVR	7.30 LE 2 AVR	5.43 LE 1 JAN	1986
1987	7.85 LE 2 AVR A 1434 HNE	7.63 LE 2 AVR	4.95 LE 18 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) A VERCHERES - STATION NO. 020J020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1897	---	---	---	---	7.14	6.25	5.56	5.23	4.89	4.56	---	5.67	---	1897
1898	---	---	---	---	5.89	5.84	5.46	5.04	4.88	5.00	---	---	---	1898
1899	---	---	---	---	7.27	6.15	5.55	5.05	4.71	4.94	---	---	---	1899
1900	---	---	---	---	6.59	5.78	5.67	5.36	4.99	5.02	---	---	---	1900
1901	---	---	---	---	6.78	6.05	5.22	4.94	4.77	4.68	4.88	---	---	1901
1913	---	---	---	---	---	5.80	5.27	5.00	4.86	4.87	5.18	---	---	1913
1914	---	---	---	---	---	5.27	5.08	4.77	4.68	4.63	---	---	---	1914
1915	---	---	---	---	---	5.05	4.84	4.78	4.73	4.89	4.57	---	---	1915
1916	---	---	---	---	7.15	6.82	5.83	5.10	4.84	4.87	4.90	---	---	1916
1917	---	---	---	---	6.40	6.37	5.88	5.50	5.05	5.08	5.22	---	---	1917
1918	---	---	---	---	---	---	5.55	4.99	5.05	5.43	---	---	---	1918
1934	---	---	---	---	---	---	---	---	4.38	4.35	4.33	---	---	1934
1935	---	---	---	---	5.43	5.05	5.08	4.78	4.89	4.48	---	---	---	1935
1936	---	---	---	---	6.86	5.83	4.94	4.83	4.82	4.88	---	---	---	1936
1937	---	---	---	---	---	5.51	5.13	5.07	4.90	4.84	---	---	---	1937
1938	---	---	---	---	6.32	5.37	4.88	5.03	5.01	4.91	---	---	---	1938
1939	---	---	---	---	---	5.70	5.34	5.24	4.83	4.80	---	---	---	1939
1940	---	---	---	---	---	5.83	5.38	4.92	4.89	4.71	---	---	---	1940
1941	---	---	---	---	5.53	4.85	4.87	4.80	4.75	4.88	---	---	---	1941
1942	---	---	---	---	5.97	5.62	5.10	5.00	4.89	4.81	---	---	---	1942
1943	---	---	---	---	---	5.80	5.84	5.54	5.41	5.28	---	---	---	1943
1944	---	---	---	---	5.96	5.28	5.17	5.07	5.01	4.89	4.85	---	---	1944
1945	---	---	---	---	5.39	6.02	5.44	5.25	5.27	5.83	5.55	---	---	1945
1946	---	---	---	---	5.71	5.55	5.13	5.08	4.94	5.02	5.17	---	---	1946
1947	---	---	---	---	7.78	7.74	6.31	5.67	5.41	5.21	5.10	---	---	1947
1948	---	---	---	---	6.01	5.57	5.29	5.19	5.02	4.87	4.85	---	---	1948
1949	---	---	---	---	5.92	5.24	5.17	4.88	4.77	4.83	---	---	---	1949
1950	---	---	---	---	5.81	5.43	5.17	5.08	5.00	4.84	5.07	---	---	1950
1951	---	---	---	---	6.54	5.55	5.84	5.34	5.20	5.23	5.70	---	---	1951
1952	---	---	---	---	6.65	6.19	5.58	5.54	5.31	5.24	5.04	---	---	1952
1953	---	---	---	---	6.03	5.37	5.23	5.14	5.00	4.87	4.89	---	---	1953
1954	---	---	---	---	6.31	5.99	5.44	5.18	5.24	5.79	5.70	---	---	1954
1955	---	---	---	---	6.13	5.45	5.16	5.08	4.94	4.98	5.26	---	---	1955
1956	---	---	---	---	6.16	5.84	5.37	5.24	5.36	5.21	4.91	---	---	1956
1957	---	---	---	---	5.23	5.04	5.65	4.85	4.79	4.82	5.08	---	---	1957
1958	---	---	---	---	5.21	4.99	4.87	4.73	4.80	4.81	4.88	---	---	1958
1959	5.83	6.12	5.86	---	5.64	5.24	4.87	4.73	4.82	4.82	5.05	---	---	1959
1960	---	6.51	6.37	7.28	7.00	6.68	5.61	5.20	4.75	4.46	4.63	---	---	1960
1961	---	6.20	5.90	5.84	6.66	5.42	5.26	5.03	5.01	4.85	4.55	4.86	---	1961
1962	6.53	---	---	5.89	5.39	4.86	4.50	4.53	4.48	4.52	4.68	---	---	1962
1963	---	---	---	---	---	4.52	4.37	4.44	4.53	4.43	4.79	5.16	---	1963
1964	6.03	5.59	5.39	5.08	4.74	4.49	4.38	4.31	4.24	4.26	4.22	4.61	4.78	1964
1965	5.33	5.63	4.92	4.87	4.80	4.30	4.22	4.47	4.88	5.32	5.19	5.28	4.89	1965
1966	6.52	6.54	6.08	5.80	5.33	5.03	4.89	4.83	4.74	4.88	4.80	---	---	1966
1967	5.86	7.22	6.01	6.25	5.95	5.43	5.18	4.84	4.80	5.39	6.09	5.88	5.71	1967
1968	7.01	---	6.15	6.40	6.37	6.03	5.17	5.06	5.12	5.01	5.14	5.43	---	1968
1969	6.45	6.00	5.86	5.87	6.59	5.85	5.60	5.51	5.26	4.98	5.47	5.53	5.79	1969
1970	5.76	5.81	5.40	5.13	6.27	5.53	5.39	5.31	5.11	5.27	5.37	5.84	5.58	1970
1971	6.33	6.55	6.15	6.68	6.76	6.43	4.96	4.97	5.08	4.98	4.83	5.02	5.84	1971
1972	5.33	5.65	5.97	6.53	7.15	6.19	5.20	6.00	5.71	5.76	6.08	6.13	6.08	1972
1973	6.73	6.72	7.16	7.02	---	---	5.11	5.77	5.59	5.84	5.49	5.72	---	1973
1974	5.84	5.78	6.38	7.00	7.79	6.88	5.10	5.69	5.43	5.38	5.87	5.73	6.13	1974
1975	5.83	5.81	6.03	6.52	6.41	5.83	5.20	5.05	5.08	5.29	5.45	5.75R	5.67R	1975
1976	6.68	---	6.97	7.67	6.95	6.11	6.05	5.78	5.53	5.81	5.42	5.41	---	1976
1977	5.78	5.36	---	6.57	5.81	---	4.82	---	5.18	---	5.83	---	---	1977
1978	6.35	---	6.01	6.84	---	---	---	5.15	5.00	---	---	---	---	1978
1979	---	5.55	---	---	---	5.78	5.30	5.22	---	---	5.79	5.87	---	1979
1980	---	5.43	5.50	---	5.94	5.28	---	5.48	5.54	5.87	---	---	---	1980
1981	---	6.31	6.09	6.37	5.76	5.65	5.25	5.38	5.50	5.68	5.94	5.83	---	1981
1982	5.42	5.56	---	---	---	5.32	5.17	4.99	4.99	4.93	5.18	5.57	---	1982
1983	5.38	5.64	5.62	6.25	7.11	6.20	5.23	5.12	---	5.04	5.62	5.68	---	1983
1984	5.43	5.74	5.88	6.78	6.20	5.87	5.72	---	---	5.03	5.15	5.30	---	1984
1985	6.01	---	6.05	6.35	6.33	6.48	---	---	5.30	5.27	---	5.31	---	1985
1986	---	5.75	5.84	6.68	6.24	5.85	5.68	5.77	5.75	5.81	5.79	5.77	---	1986
1987	5.67	5.64	5.91	6.45	5.45	5.48	5.32	5.05	4.88	---	---	5.38	---	1987
MOYEN	5.98	5.94	5.98	6.40	6.20	5.83	5.30	5.11	5.00	5.01	5.18	5.50R	5.58R	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 48 44
LONG 73 21 27 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) A VERCHERES - STATION NO. 020JO20

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1897	8.78 EN MAI	---	---	1897
1898	8.78 EN MAI	---	---	1898
1899	8.78 EN MAI	---	---	1899
1900	8.78 EN MAI	---	---	1900
1901	8.78 EN MAI	---	---	1901
1913	8.78 EN MAI	---	---	1913
1914	8.78 EN MAI	---	---	1914
1915	8.78 EN AVR	---	---	1915
1916	8.78 EN AVR	---	---	1916
1917	8.84 LE 13 JUN A 1800 HNE	---	---	1917
1918	8.78 LE 21 NOV	---	---	1918
1934	8.78 EN AOU	---	---	1934
1935	8.14 LE 4 MAI A 1200 HNE	---	---	1935
1936	7.89 LE 21 MAI A 2100 HNE	---	---	1936
1937	8.81 LE 15 MAI A 1030 HNE	---	---	1937
1938	7.07 LE 28 AVR	---	---	1938
1939	7.22 LE 13 MAI	---	---	1939
1940	8.80 LE 7 MAI	---	---	1940
1941	8.88 LE 27 AVR	---	---	1941
1942	8.87 LE 2 MAI	---	---	1942
1943	8.00 LE 16 MAI	---	---	1943
1944	8.47 LE 13 MAI	---	---	1944
1945	8.86 LE 20 MAI	---	---	1945
1946	8.04 LE 24 MAI	---	---	1946
1947	8.32 LE 25 MAI A 1700 HNE	---	---	1947
1948	8.45 LE 25 AVR	---	---	1948
1949	8.83 LE 22 AVR A 2100 HNE	---	---	1949
1950	8.81 LE 23 AVR	---	---	1950
1951	8.07 LE 18 AVR	---	---	1951
1952	7.17 LE 17 AVR	---	---	1952
1953	8.72 LE 15 AVR A 1930 HNE	---	---	1953
1954	7.33 LE 23 AVR A 2300 HNE	---	---	1954
1955	7.80 LE 24 AVR A 1800 HNE	---	---	1955
1956	8.42 LE 2 MAI A 1100 HNE	---	---	1956
1957	5.96 LE 11 JUL A 2200 HNE	---	---	1957
1958	7.31 LE 16 DEC	---	---	1958
1959	7.54 LE 31 DEC A 2130 HNE	---	---	1959
1960	7.74 LE 23 AVR A 1225 HNE	---	---	1960
1961	8.75 LE 6 FEV	---	---	1961
1962	7.42 LE 16 JAN A 1230 HNE	---	---	1962
1963	8.53 LE 29 DEC A 1724 HNE	---	---	1963
1964	8.53 LE 2 JAN A 1259 HNE	8.48 LE 2 JAN	4.01 LE 16 NOV *	1964
1965	8.06 LE 21 JAN A 1215 HNE	8.03 LE 21 JAN	4.04 LE 28 JUN	1965
1966	8.07 LE 3 FEV	8.00 LE 3 FEV	4.50 LE 9 OCT	1966
1967	8.06 LE 16 FEV A 1930 HNE	8.00 LE 16 FEV	4.63 LE 21 SEP	1967
1968	8.19 LE 26 JAN A 2027 HNE	---	---	1968
1969	7.58 LE 17 JAN A 1617 HNE	7.53 LE 17 JAN	4.82 LE 19 OCT	1969
1970	7.01 LE 8 MAI	6.98 LE 8 MAI	4.95 LE 13 SEP	1970
1971	7.90 LE 24 AVR A 1122 HNE	7.88 LE 24 AVR	4.86 LE 11 DEC	1971
1972	7.74 LE 10 MAI	7.70 LE 10 MAI	5.09 LE 16 JAN	1972
1973	8.31 LE 19 MAR A 1748 HNE	---	---	1973
1974	8.15 LE 25 MAI A 2015 HNE	8.07 LE 25 MAI *	5.18 LE 29 OCT	1974
1975	7.46 LE 22 AVR	7.40 LE 25 AVR	4.92 LE 20 AOU	1975
1976	8.83 LE 3 AVR A 1810 HNE *	---	---	1976
1977	7.35 LE 18 MAR A 1840 HNE	---	---	1977
1978	7.49 LE 22 AVR	---	---	1978
1979	7.38 LE 31 MAR A 1847 HNE	---	---	1979
1980	8.91 LE 17 AVR	---	---	1980
1981	7.89 LE 26 FEV A 1020 HNE	7.86 LE 26 FEV	4.99 LE 26 JUL	1981
1982	---	---	4.88 LE 25 OCT	1982
1983	7.76 LE 12 MAI A 0432 HNE	7.72 LE 12 MAI	4.88 LE 3 OCT	1983
1984	7.57 LE 19 AVR	7.49 LE 19 AVR	4.75 LE 4 NOV	1984
1985	7.00 LE 4 MAI	6.95 LE 3 MAI	4.90 LE 28 DEC	1985
1986	7.08 LE 2 AVR	7.05 LE 2 AVR	5.07 LE 9 JAN	1986
1987	7.39 LE 2 AVR A 1401 HNE	7.32 LE 2 AVR	4.88 LE 18 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) AU PONT MERCIER - STATION NO. 02DA017

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1954	---	---	---	---	---	---	---	---	1.414	1.883	1.689	1.832	---	1954
1955	1.639	1.482	1.755	2.518	1.943	1.698	1.534	1.417	1.327	1.343	1.581	1.485	1.840	1955
1956	1.433	1.286	1.302	1.893	2.024	1.874	1.828	1.521	1.585	1.477	1.309	1.272	1.547	1956
1957	1.480	1.318	1.428	1.486	1.474	1.389	1.834	1.276	1.235	1.202	1.269	1.278	1.371	1957
1958	1.276	1.179	1.256	1.719	1.326	1.260	1.231	1.008	1.037	1.081	0.973	0.886	1.185	1958
1959	0.720	0.891	0.928	1.572	1.455	1.297	1.064	0.838	0.783	0.714	0.920	1.178	1.028	1959
1960	1.381	1.281	1.248	1.838	2.036	1.598	1.787	1.487	1.202	0.813	0.870	1.024	1.404	1960
1961	1.389	1.188	1.099	1.400	1.805	1.776	1.842	1.443	1.382	1.238	1.052	1.139	1.384	1961
1962	1.246	1.224	1.126	1.386	1.264	1.045	1.006	1.034	0.997	0.998	1.013	1.019	1.112	1962
1963	1.184	1.122	0.943	1.298	0.881	0.956	0.939	0.983	0.970	0.945	0.986	1.208	1.040	1963
1964	1.311	1.086	1.019	1.008	0.895	0.907	0.858	0.868	0.858	0.887	0.827	0.827	0.964	1964
1965	0.880	0.986	0.728	0.923	0.934	0.771	0.807	0.919	1.000	1.279	1.245	1.320	0.992	1965
1966	1.459	1.408	1.835	1.827	1.305	1.187	1.052	1.078	1.085	1.045	1.123	1.449	1.285	1966
1967	1.349	1.457	1.145	1.714	1.608	1.428	1.308	1.280	1.210	1.514	1.893	1.852	1.485	1967
1968	1.549	1.533	1.579	1.949	1.486	1.322	1.490	1.488	1.552	1.484	1.439	1.423	1.530	1968
1969	1.859	1.808	1.578	2.090	2.087	1.958	1.881	1.824	1.820	1.425	1.817	1.481	1.724	1969
1970	1.508	1.416	1.389	1.721	1.828	1.831	1.813	1.818	1.490	1.587	1.842	1.828	1.588	1970
1971	1.828	1.570	1.818	2.181	2.243	1.894	1.488	1.447	1.478	1.420	1.288	1.277	1.810	1971
1972	1.332	1.427	1.487	2.087	2.426	2.105	2.174	2.089	2.003	1.957	2.041	1.783	1.808	1972
1973	1.700	1.883	2.382	2.527	2.487	2.412	2.284	2.038	1.959	1.928	1.828	1.886	2.093	1973
1974	1.774	1.803	2.080	2.471	2.789	2.501	2.236	2.045	1.891	1.835	1.763	1.825	2.083	1974
1975	1.819	1.545	1.882	2.173	2.082	2.014	1.727	1.606	1.624	1.718	1.784	1.885	1.784	1975
1976	1.631	1.757	2.100	2.878	2.519	2.268	2.216	2.008	1.878	1.875	1.782	1.451	2.013	1976
1977	1.738	1.328	1.807	2.181	1.855	1.487	1.339	1.418	1.597	1.940	1.852	1.701	1.690	1977
1978	1.832	1.998	1.922	2.377	2.273	1.946	1.713	1.591	1.525	1.509	1.374	1.173	1.787	1978
1979	1.549	1.697	1.978	2.308	2.420	1.984	1.898	1.820	1.744	1.598	1.978	2.089	1.911	1979
1980	1.668	1.588	1.649	2.108	2.044	1.771	1.749	1.788	1.673	1.688	1.882	1.880	1.808	1980
1981	1.465	1.858	1.798	1.887	1.741	1.722	1.800	1.711	1.943	1.994	2.024	1.904	1.787	1981
1982	1.827	1.724	1.824	2.090	1.945	1.777	1.748	1.598	1.648	1.508	1.842	1.625	1.721	1982
1983	1.557	1.618	1.852	2.034	2.381	2.140	1.895	1.608	1.580	1.562	1.878	1.802	1.783	1983
1984	1.581	1.807	1.884	2.319	2.205	2.130	1.978	1.898	1.794	1.558	1.841	1.843	1.857	1984
1985	1.873	1.741	2.022	2.251	2.240	1.914	1.878	1.857	1.788	1.781	1.778	1.989	1.882	1985
1986	1.838	1.882	1.995	2.348	2.282	2.188	2.075	2.079	2.048	2.111	2.158	2.184	2.078	1986
1987	1.881	1.782	2.102	2.286	1.980	1.822	1.828	1.838	1.829	1.527	1.381	1.894	1.784	1987
MOYEN	1.498	1.488	1.584	1.956	1.883	1.898	1.802	1.518	1.485	1.491	1.512	1.801	1.801	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 18.018 m POUR OBTENIR LES COTES INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 25 13
LONG 73 39 07 REGULARISE

REMARQUES - DONNEEES DE 1954 A 1982 FOURNIES PAR LE SERVICE HYDROGRAPHIQUE DU CANADA

SAINT-LAURENT (FLEUVE) AU PONT MERCIER - STATION NO. 02DA017

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1954	---	---	1.318 LE 14 SEP	1954
1955	2.809 LE 7 AVR A 2300 HNE	2.732 LE 23 AVR	1.190 LE 8 OCT	1955
1956	2.263 LE 17 AVR A 2000 HNE	2.223 LE 1 MAI	0.940 LE 31 DEC	1956
1957	1.987 LE 8 JUL A 1800 HNE	1.819 LE 8 JUL	0.958 LE 18 DEC	1957
1958	1.889 LE 30 MAR A 2100 HNE	1.828 LE 5 AVR	0.544 LE 12 DEC	1958
1959	1.955 LE 11 AVR A 2100 HNE	1.885 LE 12 AVR	0.308 LE 10 JAN *	1959
1960	2.574 LE 24 AVR A 0030 HNE	2.495 LE 24 AVR	0.800A LE 18 OCT	1960
1961	1.888 LE 17 JUN A 0005 HNE	1.848 LE 18 JUN	0.904 LE 20 MAR	1961
1962	2.047 LE 9 AVR A 2231 HNE	1.908E LE 10 AVR	0.834A LE 28 MAI	1962
1963	---	1.839E LE 5 AVR	0.730E LE 17 MAR	1963
1964	---	1.898E LE 2 JAN	0.823E LE 20 DEC	1964
1965	1.577 LE 31 DEC A 2359 HNE	1.471 LE 31 DEC	0.450 LE 28 MAR	1965
1966	1.940 LE 28 MAR A 0520 HNE	1.891 LE 29 MAR	0.982 LE 9 OCT	1966
1967	---	2.092E LE 18 NOV	0.803 LE 26 MAR	1967
1968	2.233 LE 3 AVR A 1810 HNE	2.214 LE 3 AVR	0.943 LE 18 DEC	1968
1969	2.367 LE 24 AVR A 2130 HNE	2.330 LE 24 AVR	1.284 LE 25 DEC	1969
1970	2.018 LE 18 AVR A 2230 HNE	1.998 LE 7 MAI	1.058 LE 22 MAR	1970
1971	2.891 LE 23 AVR A 0525 HNE	2.884 LE 22 AVR	1.087 LE 8 DEC	1971
1972	2.757A LE 7 MAI	2.757A LE 7 MAI	1.087 LE 18 JAN	1972
1973	2.970 LE 18 MAR A 0430 HNE	2.952 LE 19 MAR	1.312 LE 28 DEC	1973
1974	2.987 LE 23 MAI A 1905 HNE	2.943 LE 23 MAI	1.488 LE 1 FEV	1974
1975	2.772 LE 21 AVR A 1419 HNE	2.751 LE 21 AVR	1.257 LE 27 JAN	1975
1976	3.189 LE 2 AVR A 0812 HNE *	3.123 LE 2 AVR *	1.184 LE 14 DEC	1976
1977	2.598 LE 18 MAR A 1845 HNE	2.556 LE 18 MAR	0.948 LE 27 FEV	1977
1978	2.833 LE 14 AVR A 2300 HNE	2.732 LE 15 AVR	0.888 LE 20 DEC	1978
1979	2.698 LE 28 MAR A 2212 HNE	2.647 LE 2 MAI	1.288 LE 1 JAN	1979
1980	2.408 LE 17 AVR A 0400 HNE	2.388 LE 17 AVR	1.173 LE 31 DEC	1980
1981	2.446 LE 30 OCT A 0300 HNE	2.413 LE 29 OCT	0.982 LE 1 JAN	1981
1982	---	2.378 LE 28 AVR	1.123 LE 12 JAN	1982
1983	2.885 LE 12 MAI A 0918 HNE	2.838 LE 12 MAI	1.288 LE 21 JAN	1983
1984	2.853 LE 7 AVR A 1332 HNE	2.823 LE 7 AVR	1.345 LE 8 JAN	1984
1985	2.527 LE 6 MAI A 1401 HNE	2.474 LE 8 MAI	1.080 LE 28 DEC	1985
1986	2.556 LE 27 MAI A 0131 HNE	2.524 LE 27 MAI	1.387 LE 14 JAN	1986
1987	2.589 LE 27 MAR A 1241 HNE	2.545 LE 28 MAR	1.110 LE 25 JAN	1987

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 18.018 m POUR OBTENIR LES COTES INTERNATIONAL DES GRANDS LACS (1955)

A - JAUGE MANUELLE E - ESTIMATIVE * - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
(VOIR INDEX DE REFRENCE)

SAINT-LAURENT (FLEUVE) AU QUAI DE LA RUE FRONTENAC (MONTREAL) - STATION NO. 020A047

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1935	---	---	---	---	8.08	5.71	5.78	5.46	5.25	5.12	---	---	---	1935
1936	---	---	---	---	7.55	6.63	5.84	5.32	5.29	5.63	---	---	---	1936
1937	---	---	---	---	7.20	6.28	5.91	5.65	5.65	5.58	---	---	---	1937
1938	---	---	---	---	---	6.16	5.74	5.78	5.74	5.65	---	---	---	1938
1939	---	---	---	---	---	6.48	6.12	6.01	5.59	5.54	---	---	---	1939
1940	---	---	---	---	---	6.89	6.18	5.70	5.65	5.48	---	---	---	1940
1941	---	---	---	---	---	5.89	5.60	5.52	5.45	5.58	---	---	---	1941
1942	---	---	---	---	6.66	6.37	5.88	5.78	5.64	5.55	---	---	---	1942
1943	---	---	---	---	---	7.43	6.70	6.41	6.29	6.12	---	---	---	1943
1944	---	---	---	---	---	6.13	6.04	5.93	5.84	5.76	---	---	---	1944
1945	---	---	---	---	7.18	6.66	6.30	6.12	6.13	6.48	---	---	---	1945
1946	---	---	---	---	6.82	6.41	6.01	5.85	5.80	5.86	---	---	---	1946
1947	---	---	---	---	---	6.58	7.18	6.57	6.31	6.07	---	---	---	1947
1948	---	---	---	---	6.84	6.45	6.20	6.10	5.88	5.70	---	---	---	1948
1949	---	---	---	---	6.72	6.07	6.00	5.86	5.86	5.62	---	---	---	1949
1950	---	---	---	---	---	6.27	6.03	5.92	5.83	5.86	---	---	---	1950
1955	---	---	---	---	6.92	6.31	6.05	5.93	5.79	5.63	6.11	---	---	1955
1956	---	8.26	7.20	7.24	6.95	6.66	6.24	6.08	6.21	6.06	5.75	5.81	---	1956
1957	---	8.44	---	6.18	---	---	6.39	6.66	---	5.82	---	6.01	---	1957
1958	---	---	8.27	6.87	---	---	5.71	5.48	5.53	5.64	5.66	7.70	---	1958
1959	7.60	---	7.60	7.44	6.40	6.02	5.87	5.49	5.38	5.36	5.74	6.38	---	1959
1960	10.14	8.73	7.63	6.05	7.76	6.57	6.52	6.12	5.92	5.23	5.28	6.03	7.04	1960
1961	8.92	---	7.41	6.63	6.40	6.29	6.16	5.69	5.64	5.66	5.35	---	---	1961
1962	---	---	6.65	6.54	6.04	5.38	6.28	5.32	5.25	5.30	5.40	6.78	---	1962
1963	8.20	---	6.71	6.65	5.81	5.24	5.15	5.24	5.32	5.21	5.49	5.97	---	1963
1964	7.92	6.46	6.12	5.75	5.41	5.24	5.14	5.07	5.02	5.04	4.98	5.32	5.82	1964
1965	6.94	7.23	5.76	5.43	5.49	5.02	4.99	5.26	5.47	6.11	6.01	6.11	5.81	1965
1966	7.70	7.80	7.01	6.59	6.09	5.81	5.51	5.63	5.64	5.45	5.87	6.41	6.26	1966
1967	6.39	6.37	6.83	6.87	6.67	6.21	5.88	5.88	5.84	6.21	6.87	6.74	6.55	1967
1968	6.48	7.41	7.08	7.15	6.12	5.80	6.02	5.95	6.03	5.87	5.97	6.23	6.51	1968
1969	7.08	6.76	6.46	7.35	7.34	6.71	6.50	6.43	6.14	5.84	6.26	6.41	6.81	1969
1970	6.55	6.39	6.21	6.85	6.97	6.32	6.26	6.21	5.97	6.12	6.20	6.62	6.39	1970
1971	7.14	7.55	6.88	7.49	7.53	6.26	5.84	5.85	5.95	5.82	5.85	6.41	6.48	1971
1972	6.13	6.41	6.62	7.34	7.93	7.03	7.08	6.90	6.65	6.58	6.83	6.82	6.90	1972
1973	7.44	7.53	7.08	7.85	7.78	7.32	7.07	6.72	6.56	6.56	6.41	6.55	7.15	1973
1974	6.84	6.62	7.28	7.83	6.55	7.73	7.02	6.65	6.38	6.31	6.44	6.56	7.00	1974
1975	6.43	6.63	6.88	7.35	7.22	6.71	6.14	5.99	5.92	6.22	6.34	---	---	1975
1976	---	7.88	7.62	6.43	7.77	7.02	6.87	6.69	6.44	6.50	6.30	6.18	---	1976
1977	---	6.06	6.87	7.35	6.81	6.87	6.66	6.78	6.06	6.70	6.51	---	---	1977
1978	7.18	7.42	6.83	7.84	7.32	6.51	6.14	6.01	5.91	5.91	6.66	6.60	6.51	1978
1979	6.26	6.38	6.87	---	7.84	6.87	---	6.14	6.36	6.52	6.66	6.66	---	1979
1980	6.37	6.24	6.32	---	---	6.16	---	---	---	6.59	6.51	---	---	1980
1981	---	7.18	---	---	---	6.32	---	---	6.63	6.59	---	---	---	1981
1982	---	6.38	6.34	7.11	6.71	6.19	6.10	6.01	6.67	6.81	6.02	---	---	1982
1983	---	6.40	6.60	7.00	---	7.02	6.13	6.03	6.06	6.06	6.33	6.60	---	1983
1984	---	6.64	---	---	7.08	---	---	---	---	---	6.00	---	---	1984
1985	---	6.76	---	7.16	---	---	6.30	---	---	6.17	6.22	---	---	1985
1986	6.30	---	---	---	---	6.77	6.63	6.67	---	---	6.71	6.66	---	1986
1987	6.41	6.38	---	---	6.36	6.36	6.24	6.06	6.64	6.61	---	---	---	1987
MOYEN	7.30	7.16	6.64	7.09	6.66	6.39	6.09	6.63	6.66	6.67	6.06	6.31	6.63	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 31 43
LONG 73 32 34 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) AU QUAI DE LA RUE FRONTENAC (MONTREAL) - STATION NO. 02DA047

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1935	6.77 LE 4 MAI	---	---	1935
1936	8.27 LE 21 MAI A 2400 HNE	---	---	1936
1937	7.67 LE 15 MAI A 1230 HNE	---	---	1937
1938	7.51 LE 5 MAI A 1300 HNE	---	---	1938
1939	7.80 LE 12 MAI	---	---	1939
1940	7.26 LE 7 MAI	---	---	1940
1941	7.03 LE 3 MAI	---	---	1941
1942	7.50 LE 2 MAI	---	---	1942
1943	8.88 LE 15 MAI	---	---	1943
1944	7.24 LE 13 MAI	---	---	1944
1945	7.89 LE 20 MAI	---	---	1945
1946	6.85 LE 24 MAI	---	---	1946
1947	9.03 LE 24 MAI	---	---	1947
1948	7.10 LE 1 MAI	---	---	1948
1949	7.33 LE 2 MAI A 2400 HNE	---	---	1949
1950	6.82 LE 3 MAI A 2100 HNE	---	---	1950
1955	8.88 LE 24 AVR	---	---	1955
1956	10.34 LE 10 JAN	---	---	1956
1957	10.05 LE 4 FEV A 2000 HNE	---	---	1957
1958	11.52 LE 5 FEV	---	---	1958
1959	10.17 LE 3 JAN	---	---	1959
1960	12.71 LE 21 JAN *	11.81 LE 21 JAN *	4.89 LE 18 OCT	1960
1961	9.85 LE 4 JAN	---	---	1961
1962	8.97 LE 31 DEC A 2400 HNE	---	---	1962
1963	9.85 LE 24 JAN A 1305 HNE	---	---	1963
1964	9.48 LE 14 JAN A 2331 HNE	9.29 LE 15 JAN	4.75 LE 18 NOV *	1964
1965	9.09 LE 20 JAN	8.82 LE 25 JAN	4.79 LE 25 JUN	1965
1966	9.56 LE 17 JAN A 1259 HNE	9.36 LE 17 JAN	5.31 LE 9 OCT	1966
1967	9.72 LE 22 FEV A 1755 HNE	9.51 LE 18 FEV	5.42 LE 21 SEP	1967
1968	10.50 LE 20 JAN	10.34 LE 20 JAN	5.65 LE 7 JUN	1968
1969	8.03 LE 17 JAN A 1323 HNE	7.96 LE 17 JAN	5.87 LE 20 OCT	1969
1970	7.69 LE 6 MAI	7.63 LE 6 MAI	5.88 LE 13 SEP	1970
1971	8.91 LE 5 FEV	8.83 LE 5 FEV	5.44 LE 11 DEC	1971
1972	8.56 LE 10 MAI	8.48 LE 10 MAI	5.84 LE 16 JAN	1972
1973	9.05 LE 19 MAR A 1634 HNE	8.99 LE 19 MAR	5.24 LE 22 NOV	1973
1974	8.94 LE 23 MAI	8.85 LE 23 MAI	6.14 LE 29 OCT	1974
1975	8.33 LE 22 AVR	---	---	1975
1976	9.55 LE 3 AVR A 1908 HNE	---	---	1976
1977	8.17 LE 18 MAR A 1508 HNE	---	---	1977
1978	8.76 LE 5 FEV A 1311 HNE	8.44 LE 8 FEV	5.36 LE 20 DEC	1978
1979	8.19 LE 2 MAI A 1801 HNE	---	---	1979
1980	7.89 LE 17 AVR	---	---	1980
1981	8.77 LE 26 FEV A 0221 HNE	8.73 LE 26 FEV	5.84 LE 20 JUL	1981
1982	7.72 LE 29 AVR	7.69 LE 29 AVR	5.80 LE 25 OCT	1982
1983	8.54 LE 12 MAI A 1112 HNE	8.41 LE 12 MAI	5.78 LE 31 OCT	1983
1984	8.30 LE 18 AVR A 2329 HNE	8.21 LE 18 AVR	---	1984
1985	---	---	5.88 LE 25 DEC	1985
1986	7.79 LE 5 AVR	7.75 LE 5 AVR	5.88 LE 9 JAN	1986
1987	7.56 LE 13 AVR	---	---	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) EN AMONT DE L'ECLUSE A BEAUHARNOIS - STATION NO. 02MC019

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	---	---	---	45.98	45.91	45.87	45.80	45.72	---	---	1960
1961	---	---	---	---	45.70	---	45.42	45.55	---	45.69	45.76	45.76	---	1961
1962	45.51	45.54	45.55	45.80	45.78	45.77	45.75	45.71	45.70	45.73	45.74	45.75	45.69	1962
1963	45.43	45.43	45.50	45.76	45.83	45.79	45.76	45.76	45.83	45.83	45.85	45.72	45.71	1963
1964	45.67	45.78	45.85	45.93	45.93	45.88	45.87	45.83	45.85	45.88	45.91	45.89	45.88	1964
1965	45.93	45.88	45.94	46.00	46.00	45.98	45.90	45.87	45.89	45.87	45.87	45.74	45.90	1965
1966	45.37	45.22	45.46	45.68	45.84	45.85	45.80	45.80	45.81	45.83	45.84	45.77	45.69	1966
1967	45.82	45.28	45.34	45.79	45.82	45.82	45.80	45.78	45.81	45.85	45.81	45.58	45.66	1967
1968	45.31	45.18	45.27	45.62	45.89	45.74	45.67	45.62	45.57	45.59	45.67	45.68	45.55	1968
1969	45.40	45.22	45.19	45.67	45.84	45.80	45.56	45.60	45.62	45.62	45.65	45.70	45.64	1969
1970	45.22	45.20	45.15	45.58	45.88	45.70	45.63	45.63	45.63	45.80	45.84	45.68	45.53	1970
1971	45.22	45.13	45.02	45.38	45.84	45.83	45.63	45.65	45.66	45.63	45.71	45.80	45.51	1971
1972	45.70	45.38	45.08	45.40	45.71	45.66	45.65	45.62	45.64	45.65	45.68	45.73	45.57	1972
1973	45.11	45.14	45.38	45.70	45.56	45.51	45.54	45.54	45.63	45.52	45.59	45.83	45.48	1973
1974	45.22	45.19	45.48	45.74	45.70	45.74	45.72	45.76	45.89	45.73	45.70	45.85	45.61	1974
1975	45.83	45.07	45.28	45.71	45.71	45.71	45.66	45.89	45.72	45.72	45.89	45.88R	45.81R	1975
1976	---	45.13	45.25	45.78	---	45.86	45.83	45.81	---	---	---	---	---	1976
1977	---	---	45.15	45.81	45.78	45.81	45.79	45.74	45.74	45.89	45.74	---	---	1977
1978	45.43	45.49	45.24	45.75	45.73	45.74	45.72	45.73	45.71	45.73	45.82	45.79	45.66	1978
1979	45.50	45.40	45.38	---	---	45.79	---	45.77	45.82	45.82	---	45.86	---	1979
1980	45.34	45.34	45.51	45.80	45.83	---	---	45.82	45.86	45.83	45.82	---	---	1980
1981	---	---	45.82	---	---	45.87	45.88	45.72	45.83	45.77	45.76	45.71	---	1981
1982	---	45.43	---	45.84	45.85	45.86	45.89	45.86	45.86	45.85	---	---	---	1982
1983	45.55	45.51	---	---	---	45.90	45.83	45.82	45.84	45.85	45.80	45.84	---	1983
1984	45.10	45.20	45.27	---	45.83	45.86	---	45.82	---	---	---	---	---	1984
1985	---	---	---	---	---	---	45.84	45.80	45.84	---	45.82	45.89	---	1985
1986	45.47	---	45.47	45.81	---	45.77	45.78	---	45.78	45.75	45.76	---	---	1986
1987	---	45.26	45.51	45.79	45.81	---	45.86	---	---	---	---	45.87	---	1987
MOYEN	45.44	45.34	45.40	45.73	45.78	45.77	45.74	45.74	45.78	45.73	45.78	45.73R	45.64R	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 17 59
LONG 73 55 50 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1986

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) EN AMONT DE L'ECLUSE A BEAUHARNOIS - STATION NO. 02MC019

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1959	46.17 LE 15 DEC A 2330 HNE	---	---	1959
1960	46.31 LE 31 JUL A 1435 HNE	---	---	1960
1961	46.12 LE 29 DEC	---	---	1961
1962	46.12 LE 1 JAN	45.97 LE 8 AVR	45.19 LE 12 JAN	1962
1963	46.13 LE 23 NOV A 1352 HNE	46.04 LE 15 DEC	45.19 LE 2 JAN	1963
1964	46.38 LE 9 MAI A 1410 HNE	46.18 LE 19 DEC	45.49 LE 2 JAN	1964
1965	46.23 LE 1 JAN	46.13 LE 27 MAR	45.61 LE 31 DEC	1965
1966	46.12 LE 11 DEC	46.02 LE 11 DEC	45.08 LE 14 JAN	1966
1967	46.04 LE 17 JAN A 1330 HNE	45.88 LE 9 AVR	45.21 LE 17 FEV	1967
1968	46.17 LE 17 DEC A 1635 HNE	45.96 LE 18 DEC	45.10 LE 12 MAR	1968
1969	46.12 LE 25 DEC	45.99 LE 25 DEC	45.09 LE 23 MAR	1969
1970	46.18 LE 27 DEC	46.05 LE 27 DEC	44.95 LE 24 MAR	1970
1971	46.25 LE 29 DEC A 1503 HNE	46.09 LE 29 DEC	44.84 LE 26 MAR	1971
1972	46.58 LE 17 DEC A 1605 HNE	46.06 LE 3 JAN	44.85 LE 2 AVR *	1972
1973	46.22 LE 18 DEC A 2045 HNE	46.02 LE 19 DEC	44.99 LE 9 MAR	1973
1974	46.20 LE 7 NOV A 1139 HNE	45.98 LE 4 AVR	44.84 LE 20 FEV	1974
1975	46.33 LE 30 AOU A 1750 HNE	46.14 LE 19 JAN	44.98R LE 31 DEC	1975
1976	46.10 LE 12 AVR A 1240 HNE	---	---	1976
1977	46.40 LE 29 DEC A 2025 HNE	---	---	1977
1978	46.29 LE 21 DEC A 1258 HNE	46.12 LE 21 DEC	44.98 LE 23 MAR	1978
1979	46.46 LE 14 SEP A 1023 HNE	---	---	1979
1980	46.43 LE 1 OCT A 2304 HNE	---	---	1980
1981	46.47 LE 1 SEP A 0844 HNE	46.01 LE 26 JUN	---	1981
1982	46.82 LE 16 DEC A 1440 HNE *	46.07 LE 7 JAN	45.08 LE 17 MAR	1982
1983	46.57 LE 23 DEC A 0021 HNE	46.26 LE 18 MAI *	45.00 LE 30 DEC	1983
1984	46.50 LE 15 AOU A 1657 HNE	46.00 LE 18 AOU	---	1984
1985	46.31 LE 23 DEC A 1001 HNE	46.15 LE 23 DEC	---	1985
1986	46.30 LE 3 AVR A 1857 HNE	46.02 LE 8 AVR	45.17 LE 10 JAN	1986
1987	46.41 LE 23 JAN A 1945 HNE	46.21 LE 23 JAN	45.15 LE 21 FEV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

SAINT-LAURENT (FLEUVE) EN AMONT DE L'ECLUSE A COTE-SAINTE-CATHERINE - STATION NO. 02OA043

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1958	---	---	---	---	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	21.18	21.02	20.97	21.85	21.97	21.45	21.40	21.14	20.78	20.48	20.52	20.84	21.11	1960
1961	21.11	20.81	20.86	20.85	21.18	21.33	21.19	20.89	20.82	20.78	20.59	20.71	20.94	1961
1962	21.00	20.91	20.68	20.92	20.78	20.59	20.54	20.58	20.54	20.53	20.53	20.82	20.69	1962
1963	20.88	20.82	20.50	20.89	20.52	20.49	20.49	20.51	20.51	20.48	20.49	20.84	20.62	1963
1964	20.95	20.74	20.55	20.53	20.43	20.44	20.41	20.42	20.40	20.40	20.35	20.38	20.50	1964
1965	20.72	20.63	20.24	20.42	20.45	20.30	20.36	20.48	20.55	20.85	20.79	20.85	20.55	1965
1966	21.18	21.06	21.17	21.18	20.84	20.72	20.81	20.85	20.82	20.59	20.66	21.04	20.86	1966
1967	21.05	21.20	20.87	21.28	21.17	20.97	20.86	20.74	20.77	21.09	21.82	21.44	21.07	1967
1968	21.39	21.35	21.18	21.55	21.04	20.88	21.06	21.08	21.14	21.03	20.88	21.03	21.14	1968
1969	21.34	21.30	21.17	21.71	21.70	21.55	21.47	21.44	21.22	21.01	21.07	21.05	21.33	1969
1970	21.24	21.11	20.89	21.30	21.42	21.18	21.19	21.21	21.08	21.13	21.21	21.27	21.19	1970
1971	21.32	21.21	21.06	21.74	21.84	21.25	21.04	21.02	21.04	20.97	20.80	20.81	21.17	1971
1972	21.02	21.15	21.09	21.70	22.08	21.70	21.78	21.70	21.59	21.54	21.62	21.34	21.53	1972
1973	21.42	21.62	21.98	22.16	22.14	22.02	21.89	21.84	21.55	21.51	21.40	21.24	21.71	1973
1974	21.44	21.48	21.85	22.08	22.41	22.13	21.88	21.84	21.49	21.42	21.32	21.38	21.89	1974
1975	21.24	21.24	21.43	21.83	21.80	21.62	21.32	21.20	21.21	21.30	21.33	---	---	1975
1976	21.38	21.43	21.75	22.34	22.17	21.86	21.83	21.80	21.48	21.45	21.34	21.12	21.85	1976
1977	21.28	20.90	21.35	21.78	21.43	21.01	20.89	---	21.10	21.47	21.41	21.30	---	1977
1978	21.58	21.78	21.80	21.89	21.88	21.61	21.26	21.14	21.07	21.04	20.87	20.70	21.36	1978
1979	21.14	21.35	---	21.88	22.00	21.80	21.24	21.16	21.31	---	21.63	21.82	---	1979
1980	---	---	---	21.88	21.83	21.32	21.31	21.37	21.47	21.50	21.47	21.27	---	1980
1981	21.33	21.48	21.56	21.75	21.34	21.30	21.18	21.27	21.62	21.56	21.58	21.46	21.44	1981
1982	21.35	21.40	21.20	21.70	---	21.35	---	21.15	21.10	---	21.18	---	---	1982
1983	21.19	---	21.41	21.83	---	21.73	21.28	21.17	21.14	21.11	21.22	---	---	1983
1984	21.28	21.43	21.48	21.83	21.79	21.71	---	21.48	21.38	---	---	---	---	1984
1985	---	---	---	21.85	21.82	---	21.43	21.43	21.35	21.31	21.32	21.28	---	1985
1986	21.34	---	21.80	---	21.88	21.74	21.85	21.88	21.83	21.88	21.73	21.87	---	1986
1987	21.48	21.50	21.88	21.89	21.85	21.48	21.40	21.20	21.09	21.07	---	21.25	---	1987
MOYEN	21.22	21.20	21.18	21.58	21.51	21.30	21.19	21.15	21.11	21.09	21.11	21.10	21.14	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 24 30 — DONNEES FOURNIES PAR - — R - REVISEE DEPUIS JAN 1, 1988
LONG 73 34 29 REGULARISE — SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) EN AMONT DE L'ECLUSE A COTE-SAINTE-CATHERINE - STATION NO. 02OA043

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1958	18.91 EN SEP	---	---	1958
1959	21.17 LE 26 DEC A 1150 HNE	---	---	1959
1960	22.38 LE 19 MAI A 1620 HNE	22.22 LE 16 MAI	20.35 LE 13 OCT	1960
1961	21.56 LE 26 MAI A 1651 HNE	21.41 LE 3 JUN	20.44 LE 20 MAR	1961
1962	21.70 LE 10 AVR A 1518 HNE	21.48 LE 10 AVR	20.37 LE 28 MAI	1962
1963	21.71 LE 5 AVR A 1138 HNE	21.57 LE 6 AVR	20.24 LE 25 MAR	1963
1964	21.42 LE 15 JAN A 1415 HNE	21.38 LE 15 JAN	20.23 LE 5 AVR	1964
1965	21.15 LE 25 OCT A 2130 HNE	21.04 LE 25 OCT	19.86 LE 26 MAR *	1965
1966	21.80 LE 15 JAN	21.54 LE 14 JAN	20.80 LE 9 OCT	1966
1967	22.11 LE 18 NOV A 1845 HNE	21.75 LE 15 NOV	20.15 LE 26 MAR	1967
1968	22.17 LE 2 AVR	21.84 LE 5 AVR	20.82 LE 25 DEC	1968
1969	22.17 LE 11 AVR	21.89 LE 24 AVR	20.82 LE 24 DEC	1969
1970	21.75 LE 7 MAI A 1330 HNE	21.66 LE 7 MAI	20.51 LE 22 MAR	1970
1971	22.74 LE 23 AVR	22.64 LE 22 AVR	20.58 LE 8 DEC	1971
1972	22.56 LE 7 MAI	22.45 LE 7 MAI	20.72 LE 14 FEV	1972
1973	22.72 LE 18 MAR	22.64 LE 18 MAR	20.88 LE 26 DEC	1973
1974	22.78 LE 23 MAI	22.68 LE 23 MAI	21.17 LE 31 JAN	1974
1975	22.59 LE 22 AVR	---	---	1975
1976	23.07 LE 2 AVR *	22.84 LE 2 AVR *	20.83 LE 8 DEC	1976
1977	22.28 LE 1 AVR A 1535 HNE	---	---	1977
1978	22.55 LE 14 AVR A 2123 HNE	22.41 LE 14 AVR	20.42 LE 19 DEC	1978
1979	22.37 LE 2 MAI	---	---	1979
1980	22.10 LE 18 AVR A 1720 HNE	---	---	1980
1981	22.22 LE 26 FEV A 1255 HNE	22.17 LE 26 FEV	20.92 LE 1 JAN	1981
1982	22.11 LE 29 AVR	22.00 LE 29 AVR	20.94 LE 1 NOV	1982
1983	22.44 LE 12 MAI A 0059 HNE	22.30 LE 12 MAI	20.94 LE 26 JAN	1983
1984	22.48 LE 7 AVR A 1130 HNE	22.27 LE 7 AVR	---	1984
1985	22.22 LE 6 MAI A 1305 HNE	22.09 LE 30 AVR	20.87 LE 25 DEC	1985
1986	22.36 LE 27 MAI	22.15 LE 27 MAI	21.01 LE 13 JAN	1986
1987	22.28 LE 31 MAR A 1842 HNE	22.18 LE 27 MAR	20.79 LE 24 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) EN AMONT DE L'ECLUSE A SAINT-LAMBERT - STATION NO. 02OA044

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1950	---	---	---	---	---	10.81	10.82	10.85	10.90	10.99	10.99	---	---	1950
1951	---	---	---	---	11.25	11.25	11.18	11.13	11.13	11.12	11.08	10.59	---	1951
1952	10.47	10.44	10.48	10.84	11.18	11.21	11.23	11.23	11.20	11.18	11.18	---	---	1952
1953	10.20	10.18	9.89	11.04	11.48	11.49	11.49	11.47	11.48	11.46	11.48	10.82	11.05	1953
1954	10.28	10.42	10.48	11.22	11.52	11.50	11.51	11.50	11.51	---	11.51	---	---	1954
1955	11.22	11.24	10.90	11.48	11.47	11.50	11.58	11.55	11.53	11.50	11.46	11.40	11.40	1955
1956	10.51	10.11	10.15	11.50	11.51	11.52	11.52	11.53	11.56	11.55	11.56	---	---	1956
1957	---	---	---	---	11.53	11.57	11.59	11.61	11.64	11.65	11.54	---	---	1957
1958	---	---	---	11.42	11.48	11.41	11.40	11.53	11.53	11.51	11.49	11.26	---	1958
1959	---	---	---	11.44	11.52	11.51	11.47	11.44	11.44	11.44	11.33	10.59	---	1959
1970	10.34	10.40	10.90	11.25	11.38	11.40	11.42	11.41	11.44	11.48	11.56	---	---	1970
1971	---	---	11.00	11.52	11.51	11.56	11.53	11.54	11.56	11.57	11.59	---	---	1971
1972	---	---	---	11.32	11.53	11.61	11.69	11.68	11.66	11.62	11.66	11.57	---	1972
1973	10.51	10.18	11.36	11.72	11.72	11.72	11.71	11.70	11.72	11.71	11.74	---	---	1973
1974	---	---	10.94	11.67	11.66	11.65	11.65	11.68	11.66	11.66	11.68	11.45	---	1974
1975	10.61	9.42	11.40	11.70	11.69	11.68	11.53	11.47	11.48	11.45	11.41	11.32R	11.27R	1975
1976	10.69	8.42	10.43	11.43	11.43	11.44	11.45	11.44	11.45	11.50	11.44	11.16	11.03	1976
1977	10.37	10.40	11.04	11.44	11.47	11.46	11.48	11.49	11.45	11.44	---	11.30	---	1977
1978	10.63	10.05	10.05	11.45	11.43	11.42	11.42	11.41	11.39	11.45	11.48	---	---	1978
1979	---	---	11.05	11.45	11.44	11.43	---	11.42	11.42	11.48	11.45	11.27	---	1979
1980	---	10.22	10.77	11.48	11.43	11.41	11.41	---	11.45	11.44	11.44	10.79	---	1980
1981	---	9.18	---	11.45	11.42	11.41	11.40	11.42	11.42	11.47	11.42	11.15	---	1981
1982	9.31	8.80	---	11.43	---	11.42	11.41	11.41	11.44	11.43	11.44	11.49	---	1982
1983	9.49	9.51	10.81	---	11.43	11.38	11.42	11.41	11.39	11.40	11.44	10.67	---	1983
1984	9.48	9.44	10.45	11.48	11.41	11.43	11.43	11.42	---	---	11.44	11.46	---	1984
1985	---	---	---	---	11.45	11.45	11.28	11.44	---	11.45	11.48	11.47	---	1985
1986	9.84	---	---	11.47	11.45	11.44	11.44	11.44	11.44	---	11.47	11.33	---	1986
1987	9.13	9.14	10.58	11.47	11.46	11.47	11.45	11.48	11.47	11.50	11.47	---	---	1987
MOYEN	10.18	9.88	10.71	11.42	11.47	11.45	11.44	11.45	11.45	11.46	11.45	11.17R	11.19R	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 29 18
LONG 73 30 32 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) EN AMONT DE L'ECLUSE A SAINT-LAMBERT - STATION NO. 02OA044

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1950	11.21 LE 3 JUN	---	---	1950
1951	11.51 LE 14 AVR A 1851 HNE	---	---	1951
1952	11.35 LE 13 JUN A 1710 HNE	---	---	1952
1953	11.89 LE 17 AVR A 2030 HNE	11.55 LE 21 NOV	9.78 LE 25 MAR	1953
1954	11.78 LE 27 MAI	---	---	1954
1955	11.77 LE 12 MAI	11.63 LE 5 JUL	10.57 LE 29 MAR	1955
1956	11.76 LE 16 OCT	---	---	1956
1957	11.83 LE 28 AOU A 1336 HNE	---	---	1957
1958	11.81 LE 12 AVR	---	---	1958
1959	11.77 LE 8 AVR A 1910 HNE	---	---	1959
1970	11.75 LE 15 DEC A 2002 HNE	---	---	1970
1971	12.05 LE 13 AVR A 1601 HNE	---	---	1971
1972	12.05 LE 27 NOV	---	---	1972
1973	12.16 LE 18 MAR *	---	---	1973
1974	12.02 LE 5 AVR	---	---	1974
1975	12.00 LE 19 AVR A 1517 HNE	11.63 LE 19 AVR *	8.80 LE 18 FEV	1975
1976	11.81 LE 21 OCT A 1418 HNE	11.64 LE 21 OCT	8.10 LE 12 FEV *	1976
1977	11.81 LE 31 MAR A 1335 HNE	---	---	1977
1978	11.88 LE 13 AVR A 1941 HNE	---	---	1978
1979	11.79 LE 27 NOV A 1045 HNE	---	---	1979
1980	11.71 LE 13 AVR	---	---	1980
1981	11.79 LE 28 OCT A 0946 HNE	11.71 LE 28 OCT	---	1981
1982	11.76 LE 27 DEC A 2335 HNE	11.70 LE 27 DEC	8.59 LE 10 FEV	1982
1983	11.70 LE 21 NOV A 1505 HNE	11.54 LE 21 NOV	9.40 LE 12 JAN	1983
1984	11.74 LE 6 AVR A 2337 HNE	11.58 LE 7 AVR	9.35 LE 4 FEV	1984
1985	11.82 LE 4 AVR A 1711 HNE	11.61 LE 13 NOV	---	1985
1986	12.11 LE 20 MAR	11.75 LE 20 MAR	---	1986
1987	11.82 LE 30 MAR A 1438 HNE	11.58 LE 17 OCT	9.06 LE 4 JAN	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-LAURENT (FLEUVE) EN AVAL DE L'ECLUSE A BEAUHARNOIS - STATION NO. 02MC020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	---	---	21.59	21.55	21.29	20.81	20.58	20.62	---	---	1960
1961	---	---	---	---	21.31	21.45	21.35	21.16	21.09	20.93	20.71	20.83	---	1961
1962	21.17	21.09	20.90	21.07	20.91	20.71	20.88	20.73	20.89	20.88	20.86	20.77	20.83	1962
1963	21.08	20.89	20.73	21.03	20.62	20.58	20.81	20.66	20.66	20.81	20.81	21.00	20.78	1963
1964	21.12	20.91	20.73	20.84	20.52	20.54	20.52	20.55	20.53	20.51	20.45	20.50	20.83	1964
1965	20.86	20.80	20.44	20.55	20.57	20.41	20.49	20.63	20.70	20.87	20.83	21.02	20.70	1965
1966	21.35	21.27	21.40	21.31	20.98	20.85	20.75	20.82	20.78	20.73	20.80	21.20	21.02	1966
1967	21.25	21.43	20.95	21.42	21.30	21.11	21.02	20.94	20.95	21.28	21.77	21.69	21.25	1967
1968	21.54	21.57	21.40	21.68	21.15	21.01	21.21	21.24	21.31	21.15	21.15	21.24	21.31	1968
1969	21.62	21.53	21.43	21.87	21.83	21.68	21.61	21.61	21.38	21.14	21.22	21.19	21.51	1969
1970	21.38	21.37	21.15	21.44	21.53	21.30	21.34	21.38	21.23	21.28	21.33	21.43	21.35	1970
1971	21.53	21.44	21.47	22.02	21.87	21.38	21.17	21.15	21.20	21.12	20.86	20.86	21.38	1971
1972	21.19	21.37	21.37	21.92	22.21	21.84	21.83	21.66	21.75	21.70	21.78	21.69	21.71	1972
1973	21.80	21.79	22.16	22.29	22.26	22.16	22.05	21.81	21.73	21.88	21.54	21.43	21.87	1973
1974	21.68	21.68	21.81	22.25	---	22.28	22.00	21.82	21.67	21.58	21.48	21.54	---	1974
1975	21.38	21.39	21.65	21.98	21.82	21.74	21.48	21.37	---	21.45	21.47	21.48R	---	1975
1976	21.57	21.65	22.04	22.47	22.29	---	21.88	21.77	21.62	21.60	---	21.39	---	1976
1977	---	21.22	21.84	21.80	21.55	21.15	21.04	21.16	21.36	---	---	21.54	---	1977
1978	---	22.05	21.81	---	---	21.63	21.41	21.34	21.25	21.20	21.01	---	---	1978
1979	21.43	---	---	---	22.15	21.85	21.38	21.36	21.49	21.82	21.88	21.78	---	1979
1980	21.62	21.62	21.38	21.81	21.75	21.44	---	---	21.83	21.82	21.58	21.41	---	1980
1981	---	---	21.65	21.80	21.40	21.38	21.29	21.38	21.71	21.74	21.72	21.59	---	1981
1982	---	---	---	21.80	21.85	21.47	21.44	21.31	21.28	21.20	---	---	---	1982
1983	---	21.45	21.57	21.76	22.13	21.87	21.41	21.38	---	21.29	21.37	21.56	---	1983
1984	---	21.63	21.89	22.07	21.90	21.83	21.70	21.65	---	---	---	---	---	1984
1985	---	21.80	---	---	---	---	---	---	---	---	---	---	---	1985
1986	---	---	---	---	22.01	---	---	---	21.81	21.87	---	---	---	1986
1987	---	21.72	---	---	21.88	---	---	---	21.28	---	---	---	---	1987
MOYEN	21.37	21.43	21.40	21.67	21.67	21.38	21.31	21.28	21.25	21.23	21.18	21.28R	21.18	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 19 13
LONG 73 54 58 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) EN AVAL DE L'ECLUSE A BEAUHARNOIS - STATION NO. 02MC020

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1959	21.09 LE 9 DEC A 2045 HNE	---	---	1959
1960	21.89 LE 3 JUN A 1000 HNE	---	---	1960
1961	21.82 LE 2 MAI A 2059 HNE	---	---	1961
1962	21.67 LE 10 AVR	21.59 LE 10 AVR	20.49 LE 26 MAI	1962
1963	21.84 LE 5 AVR A 1024 HNE	21.77 LE 5 AVR	20.43 LE 26 MAI	1963
1964	21.55 LE 15 JAN A 1940 HNE	21.51 LE 15 JAN	20.31 LE 3 AVR	1964
1965	21.28 LE 14 DEC A 2310 HNE	21.17 LE 15 DEC	20.13 LE 4 AVR *	1965
1966	21.84 LE 15 JAN	21.80 LE 14 JAN	20.88 LE 9 OCT	1966
1967	22.03 LE 15 NOV A 1852 HNE	21.92 LE 15 NOV	20.54 LE 26 MAR	1967
1968	22.12 LE 3 AVR A 2156 HNE	21.98 LE 2 AVR	20.82 LE 25 DEC	1968
1969	22.28 LE 24 AVR A 1838 HNE	22.12 LE 24 AVR	20.95 LE 24 DEC	1969
1970	21.92 LE 6 MAI A 2345 HNE	21.78 LE 31 DEC	20.78 LE 22 MAR	1970
1971	22.81 LE 23 AVR	22.65 LE 22 AVR	20.75 LE 6 DEC	1971
1972	22.61 LE 6 MAI A 2135 HNE	22.57 LE 7 MAI	20.84 LE 12 JAN	1972
1973	22.82 LE 18 MAR	22.76 LE 18 MAR *	21.11 LE 27 DEC	1973
1974	22.93 LE 23 MAI A 1833 HNE	---	---	1974
1975	22.81R LE 21 AVR A 1930 HNE	---	---	1975
1976	23.06 LE 2 AVR *	---	---	1976
1977	22.48 LE 16 MAR A 1855 HNE	---	---	1977
1978	22.68 LE 15 AVR A 1830 HNE	---	---	1978
1979	22.51 LE 2 MAI	---	---	1979
1980	22.25 LE 17 AVR	---	---	1980
1981	22.38 LE 26 FEV A 0520 HNE	22.30 LE 25 FEV	21.07 LE 1 JAN	1981
1982	22.22 LE 27 AVR A 1828 HNE	22.08 LE 28 AVR	21.02 LE 12 JAN	1982
1983	22.57 LE 12 MAI A 0550 HNE	22.44 LE 12 MAI	21.13 LE 25 JAN	1983
1984	22.51 LE 7 AVR A 1458 HNE	22.39 LE 7 AVR	---	1984
1985	22.35 LE 1 MAI A 2132 HNE	22.21 LE 1 MAI	20.84 LE 25 DEC	1985
1986	22.40 LE 27 MAI	22.27 LE 27 MAI	21.21 LE 13 JAN	1986
1987	22.35 LE 27 MAR A 1327 HNE	22.31 LE 27 MAR	---	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINT-LAURENT (FLEUVE) EN AVAL DE L'ECLUSE A SAINT-LAMBERT - STATION NO. 020A045

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	---	---	6.58	6.53	6.14	5.84	5.24	5.31	---	---	1960
1961	---	---	---	---	6.42	6.31	6.19	5.82	5.65	5.69	5.38	5.65	---	1961
1962	7.82	---	8.70	8.58	8.08	6.43	5.30	5.34	5.30	5.33	5.44	5.82	---	1962
1963	8.26	8.27	8.88	8.70	8.65	8.28	8.23	8.27	8.35	8.27	8.55	8.02	8.20	1963
1964	7.88	8.51	8.18	8.80	8.48	8.30	8.20	8.12	8.08	8.09	4.99	8.33	8.66	1964
1965	8.94	7.48	8.78	8.44	8.61	8.06	8.01	8.27	8.48	8.13	8.03	8.13	8.65	1965
1966	7.88	7.83	7.05	8.80	8.11	8.83	8.53	8.65	8.58	8.47	8.88	8.42	8.28	1966
1967	8.40	8.38	8.97	8.98	8.88	8.22	8.98	8.71	8.88	8.22	8.97	8.75	8.67	1967
1968	8.38	7.38	7.11	7.17	8.14	8.82	8.03	8.98	8.05	8.90	8.98	8.24	8.61	1968
1969	7.10	8.84	8.82	7.38	7.38	8.73	8.83	8.48	8.17	8.88	8.27	8.32	8.82	1969
1970	8.87	8.44	8.28	8.88	7.00	8.33	8.27	8.22	8.89	8.13	8.08	8.83	8.40	1970
1971	7.18	7.82	8.98	7.81	7.35	8.27	8.85	8.86	8.87	8.84	8.88	8.84	8.81	1971
1972	8.17	8.81	8.88	7.37	7.98	7.08	7.11	8.93	8.87	8.70	8.95	8.84	8.84	1972
1973	7.48	7.88	8.02	7.88	7.81	7.38	7.08	8.74	8.59	8.88	8.43	8.59	7.18	1973
1974	8.87	8.72	7.33	7.88	8.58	7.78	7.08	8.87	8.41	8.34	8.48	8.81	7.04	1974
1975	8.48	8.88	8.81	7.37	7.23	8.74	8.17	8.01	8.05	8.23	8.38	8.87R	8.88R	1975
1976	---	7.72	7.87	8.45	---	7.08	8.88	8.70	8.45	8.81	8.22	8.21	---	1976
1977	8.84	8.14	8.81	7.38	8.83	8.89	8.87	8.80	8.10	8.72	8.83	8.70	8.42	1977
1978	7.18	7.43	8.82	7.88	7.33	8.82	8.18	8.02	8.81	8.82	---	8.82	---	1978
1979	8.28	8.48	8.88	7.80	7.81	8.84	8.17	8.14	8.38	8.87	8.85	7.18	8.71	1979
1980	8.41	8.28	8.33	7.04	8.78	8.18	8.20	8.38	8.48	8.80	8.84	8.83	8.48	1980
1981	---	7.38	8.82	7.17	8.55	8.48	8.12	8.28	8.55	8.80	8.73	8.38	---	1981
1982	8.23	8.41	---	7.12	8.73	8.18	8.10	8.83	8.80	8.82	8.82	8.41	---	1982
1983	8.18	8.37	8.81	7.01	7.81	7.01	8.13	8.02	8.85	8.84	8.33	---	---	1983
1984	8.17	8.81	---	---	---	---	---	8.48	8.28	8.83	8.81	8.15	---	1984
1985	---	---	8.81	7.22	7.18	8.38	8.31	8.42	8.22	8.18	8.24	8.18	---	1985
1986	8.38	8.75	8.77	---	7.14	8.78	---	---	8.88	8.78	8.78	8.72	---	1986
1987	---	---	8.81	7.30	8.38	---	---	8.86	8.88	---	---	8.23	---	1987
MOYEN	8.88	7.83	8.85	7.14	8.87	8.35	8.12	8.05	8.82	8.88	8.14	8.31R	8.48P	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 30 16
LONG 73 31 18 REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1986

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LAURENT (FLEUVE) EN AVAL DE L'ECLUSE A SAINT-LAMBERT - STATION NO. 020A045

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1959	8.24 LE 31 DEC A 1045 HNE	---	---	1959
1960	8.18 LE 20 MAI A 1648 HNE	---	---	1960
1961	7.10 LE 18 AVR A 1803 HNE	---	---	1961
1962	8.33 LE 31 JAN A 1105 HNE	---	---	1962
1963	10.19 LE 5 JAN A 1713 HNE	10.02 LE 23 JAN	5.08 LE 14 OCT	1963
1964	9.47 LE 14 JAN A 2353 HNE	9.26 LE 15 JAN	4.76 LE 18 NOV *	1964
1965	8.48 LE 25 JAN	8.98 LE 25 JAN	4.80 LE 28 JUN	1965
1966	9.49 LE 17 JAN A 1001 HNE	9.33 LE 17 JAN	5.32 LE 9 OCT	1966
1967	9.92 LE 22 FEV A 1910 HNE	9.67 LE 22 FEV	5.43 LE 21 SEP	1967
1968	10.26 LE 20 JAN *	10.13 LE 20 JAN *	5.67 LE 8 JUN	1968
1969	8.03 LE 17 JAN A 1330 HNE	7.98 LE 17 JAN	5.89 LE 20 OCT	1969
1970	7.81 LE 6 MAI	7.65 LE 6 MAI	5.88 LE 11 SEP	1970
1971	8.94 LE 8 FEV	8.88 LE 8 FEV	5.48 LE 11 DEC	1971
1972	8.83 LE 10 MAI	8.52 LE 10 MAI	5.89 LE 18 JAN	1972
1973	9.09 LE 19 MAR A 1718 HNE	9.02 LE 19 MAR	5.27 LE 21 NOV	1973
1974	8.95 LE 23 MAI	8.87 LE 23 MAI	5.17 LE 29 OCT	1974
1975	8.41R LE 21 AVR A 2045 HNE	8.28 LE 22 AVR	5.90 LE 17 AOU	1975
1976	8.88 LE 2 AVR A 1802 HNE	---	---	1976
1977	8.43 LE 18 MAR A 1505 HNE	8.15 LE 18 MAR	5.58 LE 12 JUL	1977
1978	8.80 LE 8 FEV A 1320 HNE	---	---	1978
1979	8.23 LE 2 MAI A 1812 HNE	8.14 LE 2 MAI	5.85 LE 11 JAN	1979
1980	7.78 LE 17 AVR	7.84 LE 17 AVR	5.89 LE 12 MAR	1980
1981	8.87 LE 28 FEV A 0255 HNE	8.84 LE 28 FEV	5.89 LE 25 JUL	1981
1982	7.84 LE 29 AVR	7.69 LE 29 AVR	5.81 LE 25 OCT	1982
1983	8.52 LE 12 MAI A 1105 HNE	8.41 LE 12 MAI	5.77 LE 3 OCT	1983
1984	---	---	5.89 LE 4 NOV	1984
1985	7.88 LE 3 MAI	7.79 LE 3 MAI	5.87 LE 25 DEC	1985
1986	7.87 LE 30 MAR A 2318 HNE	7.80 LE 2 AVR	5.89 LE 9 JAN	1986
1987	8.11 LE 2 AVR A 1323 HNE	8.04 LE 2 AVR	---	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

SAINT-LOUIS (LAC) A POINTE-CLAIRE - STATION NO. 02OA038

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1915	---	---	---	---	---	20.74	20.81	20.80	20.58	20.57	20.48	---	---	1915
1916	20.98	20.94	20.74	21.71	22.08	21.78	21.28	21.00	20.81	---	20.73	20.90	---	1916
1917	21.13	20.93	20.80	21.43	21.61	21.56	21.38	21.18	---	20.88	---	---	---	1917
1918	21.13	20.84	21.02	21.58	21.51	21.37	21.12	20.84	20.81	21.00	21.21	21.03	21.12	1918
1919	21.28	---	21.12	21.84	22.12	21.80	21.23	21.02	20.84	20.84	21.04	21.14	---	1919
1920	21.11	20.74	20.66	21.27	21.19	20.83	---	20.87	20.80	20.54	20.58	20.81	---	1920
1921	20.91	20.80	21.21	21.47	21.42	20.98	20.80	20.88	20.53	20.48	20.47	20.71	20.87	1921
1922	21.08	20.88	20.83	21.82	21.83	21.17	21.03	20.82	20.67	20.58	20.47	---	---	1922
1923	20.89	20.80	20.38	21.02	21.82	21.19	20.78	20.58	20.51	20.38	20.38	20.82	20.72	1923
1924	20.85	20.84R	20.70	21.33	21.70	21.27	---	20.75	20.85	20.70	20.55	20.81	---	1924
1925	20.85	20.83	21.05	21.32	21.20	21.03	20.77	20.57	20.40	20.38	20.54	20.78	20.78	1925
1926	20.85	20.58	20.44	21.03	21.40	21.15	20.84	20.58	20.48	20.52	20.90	21.11	20.82	1926
1927	21.10	20.83	21.05	21.08	21.10	21.14	21.00	20.85	20.80	20.55	20.91	21.13	20.95	1927
1928	21.24	21.20	21.05	21.83	22.08	21.84	21.22	21.05	20.83	21.14	21.21	21.00	21.29	1928
1929	21.29	21.25	21.38	21.81	22.25	21.88	21.41	21.17	21.01	20.91	20.98	21.08	21.35	1929
1930	21.38	21.37	21.31	21.68	21.67	21.52	21.49	21.10	20.80	20.78	20.84	20.59	21.18	1930
1931	20.80	20.70	20.62	20.78	20.81	20.72	20.55	20.43	20.34	20.28	20.29	20.36	20.55	1931
1932	20.62	20.86	20.72	21.41	21.14	20.86	20.77	20.89	20.71	20.79	20.96	20.72	20.88	1932
1933	20.85	20.80	20.68	21.48	21.36	20.85	20.58	20.44	20.30	20.20	20.11	20.40	20.62	1933
1934	20.31	20.40	20.48	21.35	21.24	20.69	20.40	20.11	20.04	20.03	19.89	20.35	20.48	1934
1935	20.59	20.47	20.57	20.71	20.65	20.50	20.51	20.33	20.19	20.12	20.10	20.24	20.41	1935
1936	20.45	20.25	20.75	21.18	21.58	21.03	20.53	20.30	20.26	20.36	20.51	20.42	20.63	1936
1937	20.80	20.80	20.78	21.17	21.40	20.95	20.78	20.70	20.56	20.50	20.78	20.84	20.85	1937
1938	20.91	20.83	21.05	21.58	21.37	20.92	20.85	20.83	20.58	20.53	20.47	20.47	20.84	1938
1939	20.78	20.85	20.68	21.28	21.68	21.10	20.87	20.78	20.62	20.48	20.42	20.45	20.78	1939
1940	20.72	20.55	20.38	21.04	21.10	21.20	20.92	20.83	20.65	20.43	20.48	20.83	20.72	1940
1941	21.01	20.78	20.53	21.21	20.93	20.60	20.51	20.41	20.35	20.42	20.60	20.51	20.65	1941
1942	20.82	20.74	20.78	21.28	21.11	21.00	20.72	20.63	20.65	20.50	20.57	20.78	20.78	1942
1943	21.15	21.10	21.14	21.48	22.14	21.78	21.37	21.18	21.07	20.92	21.00	21.08	21.28	1943
1944	21.21	21.00	20.88	21.04	21.27	21.00	20.93	20.82	20.74	20.68	20.65	20.89	20.90	1944
1945	20.80	20.93	21.18	21.45	21.53	21.43	21.13	20.89	20.84	21.15	21.12	21.21	21.15	1945
1946	21.34	21.21	21.34	21.31	21.18	21.18	20.80	20.81	20.71	20.73	20.84	20.81	21.04	1946
1947	21.28	21.27	21.00	21.82	22.28	22.38	21.67	21.31	21.14	20.98	20.89	21.02	21.42	1947
1948	21.08	20.87	21.18	21.51	21.45	21.27	21.10	21.00	20.82	20.71	20.71	20.88	21.03	1948
1949	20.98	21.13	21.12	21.80	21.32	20.98	20.85	20.80	20.64	20.47	20.40	20.63	20.87	1949
1950	20.94	20.97	20.98	21.52	21.34	21.19	21.02	20.88	20.80	20.72	20.82	21.00	21.02	1950
1951	21.38	21.10	21.42	22.37	21.76	21.34	21.38	21.13	21.05	21.01	21.28	21.34	21.38	1951
1952	21.53	21.38	21.40	21.86	21.85	21.65	21.38	21.27	21.11	21.04	20.89	21.08	21.38	1952
1953	21.26	21.31	21.42	21.74	21.47	21.20	21.10	20.98	20.89	20.78	20.65	20.72	21.12	1953
1954	21.01	21.00	21.24	21.78	21.53	21.38	21.13	20.92	20.84	21.21	21.23	21.18	21.21	1954
1955	21.43	21.18	21.34	22.11	21.61	21.25	21.06	20.84	20.83	20.84	21.04	21.08	21.21	1955
1956	21.12	20.85	20.86	21.43	21.58	21.40	21.13	21.04	21.10	21.03	20.84	20.83	21.11	1956
1957	21.27	21.05	21.03	21.02	21.03	20.98	21.21	20.82	20.78	20.77	20.84	20.88	20.97	1957
1958	21.10	21.04	20.90	21.33	20.82	20.83	20.81	20.89	20.87	20.72	20.68	20.88	20.88	1958
1959	20.89	20.85	20.88	21.47	21.31	21.11	20.83	20.72	20.81	20.83	20.74	20.93	20.88	1959
1960	21.21	21.08	21.02	21.81	22.01	21.48	21.44	21.16	20.78	20.47	20.83	20.88	21.15	1960
1961	21.13	20.85	20.73	21.01	21.22	21.37	21.24	21.02	20.86	20.80	20.80	20.74	20.97	1961
1962	21.03	20.84	20.72	20.97	20.83	20.62	20.56	---	---	---	---	---	---	1962
1963	---	---	---	---	---	20.51	20.50	20.53	20.53	20.48	20.50	20.88	---	1963
1964	---	20.77	---	20.56	20.43	20.48	20.38	20.42	20.38	20.38	20.34	20.40	---	1964
1965	20.73	20.65	20.27	20.48	20.48	20.31	20.38	20.48	20.58	20.58	20.83	20.82	20.58	1965
1966	21.18	21.10	21.25	21.28	20.88	20.77	20.84	20.68	20.63	20.80	20.88	21.08	20.90	1966
1967	21.10	21.28	20.78	21.32	21.20	21.00	20.88	20.78	20.78	21.11	21.84	21.47	21.11	1967
1968	21.41	21.38	21.21	21.57	21.05	20.80	21.07	21.09	21.15	21.04	21.02	21.09	21.18	1968
1969	---	21.33	21.23	21.73	21.72	21.57	21.47	21.45	21.23	21.00	21.10	21.08	---	1969
1970	21.28	21.18	20.88	21.34	21.44	21.21	21.23	21.23	21.08	21.18	21.23	21.30	21.22	1970
1971	21.38	21.27	21.28	21.87	21.80	21.28	21.08	21.03	21.08	20.88	20.84	20.84	21.23	1971
1972	21.05	21.18	21.18	21.78	22.11	21.75	21.82	21.73	21.82	21.58	21.67	21.48	21.58	1972
1973	21.48	21.67	22.04	22.20	22.17	22.07	21.93	21.87	21.58	21.54	21.43	21.31	21.78	1973
1974	21.49	21.53	21.77	22.15	22.47	22.18	21.89	21.88	21.52	21.44	21.37	21.44	21.74	1974
1975	21.28	21.28	21.84	21.88	21.83	21.85	21.33	21.21	---	21.32	---	21.34R	---	1975
1976	21.42	21.47	21.88	---	22.20	21.91	21.88	---	21.48	21.47	21.37	21.23	---	1976
1977	---	21.04	21.44	21.83	21.48	21.04	20.92	21.00	21.20	21.58	21.50	21.42	---	1977
1978	---	21.88	21.81	22.04	21.81	21.56	21.30	21.18	21.11	21.08	20.92	20.78	---	1978
1979	21.23	21.43	21.80	21.84	22.05	21.55	21.27	21.20	21.33	21.48	21.58	21.88	21.53	1979
1980	21.40	21.31	21.28	21.72	21.85	21.35	21.32	21.38	21.47	21.47	21.48	---	---	1980
1981	21.33	21.46	21.54	21.70	21.30	21.28	21.14	21.30	21.53	21.58	21.80	21.47	21.44	1981
1982	21.36	21.42	21.27	21.71	21.55	21.37	---	---	21.12	21.05	21.21	21.41	---	1982
1983	21.21	21.30	21.46	21.85	22.03	21.78	21.28	21.20	21.18	21.14	21.28	21.43	21.41	1983
1984	21.34	21.48	21.55	21.87	21.82	21.73	21.59	21.51	21.40	---	---	21.24	---	1984
1985	21.50	21.48	21.67	21.88	21.87	21.80	21.45	21.48	21.37	21.33	21.35	21.31	21.61	1985
1986	21.39	21.70	21.68	22.00	21.83	21.78	21.89	21.70	21.68	21.73	21.78	21.72	21.73	1986
1987	21.51	21.58	21.78	21.93	21.58	21.53	21.43	21.22	21.12	21.10	20.93	21.20	21.41	1987
MOYEN	21.09	21.05R	21.08	21.51	21.51	21.24	21.07	20.93	20.88	20.84	20.88	20.95R	21.05	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 45 25 43
LONG 73 49 18

REGULARISE

DONNEES FOURNIES PAR - SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

R - REVISEE DEPUIS JAN 1, 1988

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-LOUIS (LAC) A POINTE-CLAIRE - STATION NO. 02OA039

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1915	20.98 LE 24 MAI A 1800 HNE	---	---	1915
1916	22.37 LE 21 MAI A 1200 HNE	---	---	1916
1917	21.80 LE 4 AVR A 2400 HNE	---	---	1917
1918	22.02 LE 4 AVR	22.01 LE 4 AVR	20.89 LE 11 MAR	1918
1919	22.40 LE 27 MAI A 1800 HNE	---	---	1919
1920	21.52 LE 28 MAR A 1100 HNE	---	---	1920
1921	21.87 LE 9 MAI A 1800 HNE	21.85 LE 9 MAI	20.39 LE 3 NOV	1921
1922	22.22 LE 21 AVR A 2400 HNE	---	---	1922
1923	21.77 LE 23 MAI A 1800 HNE	21.75 LE 23 MAI	20.17 LE 4 MAR	1923
1924	21.87 LE 19 MAI A 1853 HNE	---	---	1924
1925	21.70 LE 30 MAR A 2030 HNE	21.68 LE 31 MAR	20.30 LE 25 OCT	1925
1926	21.86 LE 26 AVR A 2328 HNE	21.82 LE 27 AVR	20.32 LE 21 MAR	1926
1927	21.81 LE 21 MAR	21.81 LE 20 MAR	20.46 LE 28 SEP	1927
1928	22.41 LE 10 AVR A 1341 HNE	22.40 LE 10 AVR	20.83 LE 9 SEP	1928
1929	22.45 LE 6 MAI A 2207 HNE	22.43 LE 9 MAI	20.83 LE 31 OCT	1929
1930	21.81 LE 8 AVR A 1850 HNE	21.80 LE 8 AVR	20.50 LE 25 DEC	1930
1931	21.08 LE 26 JAN A 1805 HNE	21.08 LE 19 JAN	20.24 LE 15 OCT	1931
1932	21.95 LE 13 AVR A 2239 HNE	21.91 LE 13 AVR	20.31 LE 2 JAN	1932
1933	21.78 LE 19 AVR A 1845 HNE	21.76 LE 19 AVR	20.05 LE 7 NOV	1933
1934	21.98 LE 13 AVR A 2250 HNE	21.83 LE 14 AVR	19.89 LE 11 NOV *	1934
1935	20.98 LE 3 MAI A 2144 HNE	20.85 LE 3 MAI	19.98 LE 3 NOV	1935
1936	21.96 LE 20 MAI A 2206 HNE	21.93 LE 20 MAI	20.08 LE 28 FEV	1936
1937	21.82 LE 8 AVR	21.88 LE 8 AVR	20.38 LE 17 OCT	1937
1938	22.16 LE 26 MAR A 2337 HNE	22.11 LE 26 MAR	20.30 LE 4 DEC	1938
1939	21.89 LE 24 AVR A 2218 HNE	21.82 LE 24 AVR	20.24 LE 26 NOV	1939
1940	21.46 LE 4 JUN A 1808 HNE	21.43 LE 4 JUN	20.18 LE 3 MAR	1940
1941	21.84 LE 29 AVR A 1803 HNE	21.80 LE 28 AVR	20.24 LE 1 SEP	1941
1942	21.88 LE 20 AVR A 2100 HNE	21.83 LE 20 AVR	20.34 LE 16 OCT	1942
1943	22.82 LE 13 MAI A 2327 HNE *	22.77 LE 14 MAI *	20.64 LE 22 JAN	1943
1944	21.58 LE 1 JAN	21.53 LE 1 JAN	20.45 LE 21 NOV	1944
1945	22.07 LE 5 AVR A 2228 HNE	22.00 LE 5 AVR	20.33 LE 16 JAN	1945
1946	21.82 LE 17 MAR	21.73 LE 16 MAR	20.80 LE 10 OCT	1946
1947	22.66 LE 4 JUN A 1813 HNE	22.63 LE 4 JUN	20.74 LE 2 DEC	1947
1948	21.95 LE 22 MAR A 2316 HNE	21.86 LE 23 MAR	20.53 LE 1 FEV	1948
1949	21.88 LE 7 AVR A 2317 HNE	21.81 LE 29 MAR	20.29 LE 1 DEC	1949
1950	21.97 LE 7 AVR	21.92 LE 6 AVR	20.53 LE 3 JAN	1950
1951	22.77 LE 17 AVR A 1924 HNE	22.73 LE 17 AVR	20.90 LE 3 OCT	1951
1952	22.34 LE 7 AVR	22.33 LE 7 AVR	20.78 LE 19 NOV	1952
1953	22.13 LE 31 MAR A 2128 HNE	22.07 LE 31 MAR	20.55 LE 9 NOV	1953
1954	22.30 LE 16 AVR A 1350 HNE	22.23 LE 16 AVR	20.91 LE 1 JAN	1954
1955	22.42 LE 7 AVR A 2400 HNE	22.34 LE 23 AVR	20.72 LE 6 OCT	1955
1956	21.81 LE 17 AVR A 2000 HNE	21.77 LE 1 MAI	20.59 LE 31 DEC	1956
1957	21.67 LE 10 JAN A 1300 HNE	21.55 LE 10 JAN	20.68 LE 5 OCT	1957
1958	21.82 LE 30 MAR A 2030 HNE	21.55 LE 5 AVR	20.60 LE 12 NOV	1958
1959	21.79 LE 11 AVR A 2126 HNE	21.73 LE 10 AVR	20.42 LE 19 OCT	1959
1960	22.30 LE 20 MAI	22.27 LE 18 MAI	20.34 LE 18 OCT	1960
1961	21.82 LE 2 MAI A 2230 HNE	21.46 LE 29 MAI	20.49 LE 19 MAR	1961
1962	21.88 LE 10 AVR	---	---	1962
1963	21.37 LE 27 DEC A 2325 HNE	---	---	1963
1964	21.42 LE 15 JAN A 1807 HNE	---	---	1964
1965	21.18 LE 31 DEC A 2358 HNE	21.06 LE 15 DEC	20.00 LE 28 MAR	1965
1966	21.82 LE 15 JAN	21.58 LE 14 JAN	20.52 LE 9 OCT	1966
1967	21.80 LE 15 NOV A 1913 HNE	21.77 LE 15 NOV	20.40 LE 26 MAR	1967
1968	21.88 LE 31 MAR A 1835 HNE	21.85 LE 2 AVR	20.87 LE 25 DEC	1968
1969	22.06 LE 24 AVR A 2120 HNE	---	---	1969
1970	21.87 LE 7 MAI	21.84 LE 6 MAI	20.63 LE 22 MAR	1970
1971	22.63 LE 22 AVR A 2345 HNE	22.60 LE 22 AVR	20.88 LE 5 DEC	1971
1972	22.51 LE 6 MAI A 1803 HNE	22.47 LE 7 MAI	20.78 LE 14 FEV	1972
1973	22.70 LE 19 MAR	22.68 LE 19 MAR	20.99 LE 27 DEC	1973
1974	22.72 LE 23 MAI A 1920 HNE	22.67 LE 23 MAI	21.23 LE 31 JAN	1974
1975	22.60 LE 21 AVR A 1910 HNE	---	---	1975
1976	22.61 LE 1 AVR A 1653 HNE	---	---	1976
1977	22.28 LE 16 MAR A 1715 HNE	---	---	1977
1978	22.67 LE 13 AVR A 2229 HNE	---	---	1978
1979	22.35 LE 28 MAR A 1825 HNE	22.29 LE 2 MAI	20.85 LE 28 JAN	1979
1980	22.08 LE 17 AVR	---	---	1980
1981	22.20 LE 28 FEV A 0505 HNE	22.18 LE 28 FEV	20.93 LE 1 JAN	1981
1982	22.06 LE 29 AVR	22.01 LE 29 AVR	20.90 LE 12 JAN	1982
1983	22.37 LE 12 MAI A 0825 HNE	22.32 LE 12 MAI	20.97 LE 25 JAN	1983
1984	22.35 LE 7 AVR A 1141 HNE	22.30 LE 7 AVR	---	1984
1985	22.19 LE 6 MAI A 1204 HNE	22.13 LE 6 MAI	20.74 LE 25 DEC	1985
1986	22.23 LE 27 MAI	22.19 LE 27 MAI	21.04 LE 13 JAN	1986
1987	22.25 LE 27 MAR A 1145 HNE	22.23 LE 27 MAR	20.83 LE 24 JAN	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-MAURICE (RIVIERE) A LA CENTRALE DU RAPIDE BLANC - STATION NO. 02NC002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	275.22	275.73	275.44	---	1982
1983	274.88	275.26	272.75	269.11	275.70	275.70	275.34	275.55	275.74	275.46	275.50	274.58	274.91	1983
1984	274.80	275.06	272.67	269.93	275.58	275.66	275.69	275.52	275.35	275.43	275.73	275.49	274.76	1984
1985	217.05	275.28	273.19	268.57	274.80	275.68	275.84	275.86	275.70	275.82	275.73	275.36	269.83	1985
1986	274.88	274.32	272.12	269.27	275.82	275.73	275.71	275.72	275.51	275.84	275.47R	275.48R	274.83R	1986
1987	275.35	274.56	272.5C	271.77	274.40	275.38	275.70	275.52	275.75	275.84	275.65	275.23	274.79	1987
MOYEN	263.36	274.89	272.69	269.73	275.22	275.67	275.68	275.63	275.61	275.64	275.64R	275.38R	273.72R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 47 47 BASSIN VERSANT, 22 800 km²
LONG 72 58 :8 REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAINT-MAURICE (RIVIERE) A LA CENTRALE DU RAPIDE BLANC - STATION NO. 02NC002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	276.01 LE 14 MAI	287.23 LE 10 AVR	1983
1984	---	275.99 LE 22 AOU	287.00 LE 11 AVR	1984
1985	---	278.00 LE 9 JUL	74.81 LE 23 JAN *	1985
1986	---	278.02 LE 14 SEP	287.24 LE 10 AVR	1986
1987	---	278.07 LE 5 JUL *	289.24 LE 31 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-MAURICE (RIVIERE) AU RESERVOIR GOUIN - STATION NO. 02NA003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1963	403.16	402.85	402.54	402.44	403.08	403.50	403.94	404.20	404.21	403.89	403.73	403.86	403.67	1963
1964	403.80	403.40	402.98	402.82	403.77	404.35	404.70	404.72	404.63	404.28	403.78	403.23	403.87	1964
1965	---	402.48	401.91	401.30	402.07	402.89	402.50	402.89	403.28	403.82	404.20	404.27	---	1965
1966	404.03	403.59	403.27	403.40	404.03	404.71	404.83	404.91	404.82	404.86	404.98	405.01	404.38	1966
1967	404.77	404.38	403.80	403.52	404.01	404.67	404.81	404.27	403.75	404.00	404.85	404.71	404.27	1967
1968	404.38	404.04	403.56	403.77	404.51	404.41	404.22	404.21	404.30	404.56	404.61	404.31	404.24	1968
1969	403.75	403.18	402.55	402.14	402.98	403.85	404.04	404.15	404.28	404.32	404.43	404.46	403.89	1969
1970	404.16	403.83	403.18	402.72	403.57	404.35	404.83	404.78	404.83	404.72	404.46	404.25	404.10	1970
1971	403.68	402.97	402.42	402.12	402.82	403.47	403.23	402.83	402.45	402.53	402.47	401.81	402.75	1971
1972	401.30	400.46	399.83	399.70	400.45	401.50	401.81	402.08	402.30	402.82	402.95	402.84	401.81	1972
1973	402.84	402.16	401.80	402.16	403.11	403.82	404.09	404.54	404.83	404.82	404.81	404.74	403.82	1973
1974	404.25	403.59	402.92	402.54	403.77	404.78	404.81	404.82	404.39	404.54	404.80	404.58	404.14	1974
1975	403.89	403.17	402.89	402.49	403.28	404.03	404.08	404.05	404.05	404.28	404.37	404.38	403.73	1975
1976	404.03	403.29	402.88	402.98	403.89	404.27	404.38	404.57	404.57	404.34	404.32	404.07	403.95	1976
1977	403.58	402.88	402.58	402.82	403.89	404.19	404.33	404.30	404.23	404.18	404.13	404.02	403.77	1977
1978	403.71	403.31	402.88	402.56	403.19	403.89	404.00	403.80	403.35	403.28	403.21	402.97	403.35	1978
1979	402.60	402.07	401.51	401.82	403.04	403.74	403.94	403.73	403.61	403.87	404.37	404.57	403.25	1979
1980	404.43	403.86	403.26	403.25	403.87	403.87	403.77	403.89	403.78	404.12	404.48	404.41	403.82	1980
1981	---	---	---	404.17	404.91	404.78	404.73	404.51	403.98	403.86	403.37	403.14	---	1981
1982	402.90	402.27	401.53	400.90	401.71	402.33	402.47	402.08	401.88	402.21	402.45	402.81	402.14	1982
1983	403.08	402.89	402.93	403.11	---	404.93	404.92	---	404.15	---	---	---	---	1983
1984	403.42	403.10	402.92	403.08	403.98	404.73	404.98	404.85	404.86	404.35	404.18	404.14	404.03	1984
1985	403.96	403.62	403.28	403.20	403.90	404.65	404.94	404.89	404.52	404.23	404.11	403.98	404.11	1985
1986	403.58	403.01R	402.51	402.67	403.73	404.24R	404.41	---	404.80	---	---	404.82R	---	1986
1987	404.25	403.84	403.02	403.28	403.31	403.46	403.47	403.17	402.84	402.28	402.22	402.17	403.07	1987
MOYEN	403.62	403.09R	402.61	402.60	403.37	403.98R	404.08	404.00	403.92	403.90	403.96	403.90R	403.69	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 21 15
LONG 74 06 05

BASSIN VERSANT, 9 450 km²
REGULARISE

DONNEES FOURNIES PAR - HYDRO-QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAINT-MAURICE (RIVIERE) AU RESERVOIR GOUIN - STATION NO. 02NA003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1963	---	404.90 LE 31 AOU	402.33 LE 15 AVR	1963
1964	---	404.81 LE 25 AOU	402.83 LE 12 AVR	1964
1965	---	---	---	1965
1966	---	405.05 LE 23 NOV	403.22 LE 20 MAR	1966
1967	---	404.99 LE 1 JAN	403.45 LE 28 AVR	1967
1968	---	404.70 LE 30 OCT	403.48 LE 17 MAR	1968
1969	---	404.52 LE 27 NOV	402.02 LE 11 AVR	1969
1970	---	404.81 LE 4 AOU	402.54 LE 22 AVR	1970
1971	---	404.02 LE 1 JAN	401.74 LE 31 DEC	1971
1972	---	403.08 LE 3 DEC	399.80 LE 19 AVR *	1972
1973	---	404.81 LE 11 SEP	401.71 LE 8 MAR	1973
1974	---	404.88 LE 14 JUL	402.38 LE 15 AVR	1974
1975	---	404.42 LE 24 NOV	402.38 LE 18 AVR	1975
1976	---	404.88 LE 24 AOU	402.54 LE 27 MAR	1976
1977	---	404.38 LE 12 JUL	402.52 LE 14 MAR	1977
1978	---	404.08 LE 1 JUL	402.47 LE 18 AVR	1978
1979	---	404.85 LE 20 DEC	401.18 LE 12 MAR	1979
1980	---	404.81 LE 1 JAN	403.05 LE 10 AVR	1980
1981	---	---	---	1981
1982	---	403.13 LE 2 JAN	400.70 LE 25 AVR	1982
1983	---	---	---	1983
1984	---	405.02 LE 16 JUL	402.87 LE 4 AVR	1984
1985	---	405.09 LE 29 JUL *	403.13 LE 20 AVR	1985
1986	---	---	---	1986
1987	---	404.44 LE 1 JAN	401.99 LE 31 DEC	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-NICOLAS (BRAS) PRES DE SON EMBOUCHURE - STATION NO. 02PH003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	45.85	45.87	46.21	---	1982
1983	46.06	46.06	46.24	47.01	46.55	45.76	45.81	45.83	45.53	45.85	46.05	46.22	46.03	1983
1984	46.05	46.40	46.43	46.83	46.52	45.81	46.10	45.83	45.48	45.52R	45.81R	46.03R	46.09R	1984
1985	45.94	45.83	46.32	46.77	46.12	45.83	45.78	45.45	45.43	45.83R	45.74R	---	---	1985
MOYEN	46.02	46.14	46.33	46.87	46.40	45.87	45.83	45.67	45.48	45.81R	45.87R	46.15R	46.05R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER -34.750 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 46 46 43 BASSIN VERSANT, 642 km²
LONG 70 33 14 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

SAINT-NICOLAS (BRAS) PRES DE SON EMBOUCHURE - STATION NO. 02PH003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	46.40 LE 26 AVR *	45.38 LE 2 JUL	1983
1984	---	47.89 LE 1 MAI	45.40 LE 16 SEP	1984
1985	---	47.47 LE 27 AVR	45.38 LE 23 SEP *	1985

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER -34.750 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINT-PIERRE (LAC) AU CURB NO. 2 - STATION NO. 020C018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1978	---	---	---	---	---	---	---	---	---	3.97	---	3.81	---	1978
1979	---	---	---	---	5.65	4.68	4.17	4.13	4.39	---	4.63	4.88	---	1979
1980	---	---	---	---	5.18	4.50	---	---	---	4.93	---	4.81	---	1980
1981	5.05	5.48	---	5.73	5.18	---	4.55	4.70	---	---	---	---	---	1981
1982	4.30	4.48	4.50	---	4.88	4.28	4.08	3.85	3.84	---	4.10	4.51	---	1982
1983	---	4.88	---	---	---	---	4.16	4.08	4.00	3.98	4.64	---	---	1983
1984	---	---	---	---	5.23	---	---	4.45	4.28	3.97	4.10	---	---	1984
1985	---	---	---	---	5.26	---	4.33	4.44	4.22	4.23	---	---	---	1985
1986	4.30	---	---	---	---	---	4.50	---	---	4.70	---	---	---	1986
1987	4.49	4.45	4.84	5.43	4.36	---	4.26	4.02	3.96	3.96	3.81	---	---	1987
MOYEN	4.54	4.78	4.67	5.58	5.12	4.48	4.31	4.26	4.13	4.26	4.26	4.51	---	MOYEN

PLAN DE REFERENCE - INTERNATIONAL DES GRANDS LACS (1955)

LOCATION - LAT 46 11 40
LONG 72 53 48

DONNEES FOURNIES PAR -
SCIENCES ET LEVES OCEANIQUES (MPO) (CANADA)

REMARQUES - DONNEES PUBLIEES COMME RECUES. MOYENNES MENSUELLES/ANNUELLES CALCULEES SI TOUTES MOYENNES QUOTIDIENNES DISPONIBLES

SAINT-PIERRE (LAC) AU CURB NO. 2 - STATION NO. 020C018

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1978	4.34 LE 18 OCT A 1147 HNE	---	---	1978
1979	6.42 LE 3 MAI	---	---	1979
1980	6.34 LE 17 AVR	---	---	1980
1981	7.18 LE 28 FEV A 0759 HNE *	7.08 LE 28 FEV *	---	1981
1982	6.24 LE 29 AVR A 1324 HNE	6.85 LE 3 MAI	3.48 LE 28 OCT *	1982
1983	6.88 LE 12 MAI A 0248 HNE	6.62 LE 12 MAI	---	1983
1984	---	---	3.82 LE 3 NOV	1984
1985	6.04 LE 3 MAI A 1644 HNE	---	---	1985
1986	6.83 LE 14 AVR A 1340 HNE	---	---	1986
1987	6.89 LE 2 AVR	6.80 LE 2 AVR	3.82 LE 16 NOV	1987

PLAN DE REFRENCE - INTERNATIONAL DES GRANDS LACS (1955)

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINTE-ANNE (RIVIERE) A CHUTE-PANET-2 - STATION NO. 02PB020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1953	---	---	---	11.18	11.08	10.70	10.58	10.44	---	10.45	10.70	10.71	---	1953
1954	10.58	10.64	10.70	11.10	11.24	10.92	10.82	10.75	10.94	10.98	10.88	10.72	10.88	1954
1955	10.85	10.55	10.59	11.08	11.32	10.77	10.89	10.81	10.70	10.83	10.76	10.82	10.78	1955
1956	10.52	10.48	10.47	10.70	11.12	10.84	10.88	10.80	10.80	10.74	10.82	10.81	10.73	1956
1957	10.70	10.73	10.82	10.87	---	10.85	11.02	---	---	10.82	10.85	10.81	---	1957
1958	10.82	10.61	10.84	11.08	---	---	10.90	10.88	10.91	10.89	---	10.88	---	1958
1959	10.86	10.83	10.81	10.89	11.18	10.90	10.78	10.88	10.78	10.99	11.13	---	---	1959
1960	10.82	---	---	11.07	11.25	10.75	10.88	10.71	10.89	10.77	10.85	10.87	---	1960
1961	10.87	10.48	10.48	10.72	11.22	10.87	10.84	10.78	10.88	10.78	10.72	---	---	1961
1962	10 72	10.80	---	---	11.17	10.88	10.95	10.87	10.88	10.79	10.74	10.88	---	1962
1963	10.48	10.33	10.40	10.75	11.25	10.80	10.84	10.83	10.88	10.83	10.89	10.75	10.75	1963
1964	10.56	10.48	10.53	10.90	11.17	10.89	10.95	10.95	10.70	10.88	10.89	10.75	10.77	1964
1965	10.88	10.70	10.85	10.77	11.17	10.79	10.75	10.83	10.93	11.03	10.78	10.87	10.81	1965
1966	10.81	10.55	10.63	10.88	11.26	11.01	10.70	10.84	10.78	10.82	11.11	10.96	10.85	1966
1967	10.77	10.89	10.85	10.83	11.20	11.08	---	---	10.78	---	10.90	10.73	---	1967
1968	10.89	10.61	---	---	---	---	---	---	---	10.77	10.87	10.82	---	1968
1969	10.85	10.61	10.53	10.87	11.39	---	10.74	10.86	10.77	10.73	10.86	10.78	---	1969
1970	10.75	10.78	10.61	10.80	11.26	10.94	10.88	10.78	---	10.85	10.85	10.78	---	1970
1971	10.71	10.88	10.86	10.81	11.40	---	10.88	11.00	---	10.94	10.78	10.78	---	1971
1972	10.71	---	10.86	10.72	---	---	---	---	---	---	---	---	---	1972
MOYEN	10.85	10.80	10.69	10.90	11.23	10.89	10.83	10.80	10.82	10.82	10.82	10.73	10.78	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 51 42 BASSIN VERSANT, 1 550 km²
LONG 71 52 18 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINTE-ANNE (RIVIERE) A CHUTE-PANET-2 - STATION NO. 02PB020

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1953	---	---	---	1953
1954	---	11.89 LE 10 MAI	10.47 LE 2 JAN	1954
1955	---	11.95 LE 5 MAI	10.28 LE 5 AOU	1955
1956	---	11.71 LE 17 MAI	10.13 LE 31 MAR *	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	11.73 LE 20 MAI	10.20 LE 6 MAR	1963
1964	---	11.62 LE 11 JUN	10.39 LE 3 MAR	1964
1965	---	11.62 LE 12 MAI	10.41 LE 2 FEV	1965
1966	---	12.14 LE 4 NOV *	10.32 LE 31 OCT	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINTE-ANNE (RIVIERE) EN AMONT DU BRAS DU NORD NO. 1 - STATION NO. 02PB003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1949	---	---	---	---	---	---	---	---	134.53	134.46	134.38	134.75	---	1949
1950	135.41	135.14	135.19	135.34	134.88	134.72	134.37	134.27	134.24	134.43	134.71	135.01	134.81	1950
1951	135.07	134.94	134.93	135.33	135.07	134.48	134.48	134.55	134.48	134.44	134.91	135.39	134.84	1951
1952	135.07	134.92	134.65	134.94	135.08	134.57	134.20	134.35	134.34	134.56	134.46	135.85	134.75	1952
1953	136.28	135.92	135.80	134.85	134.77	134.32	134.20	134.08	134.31	134.21	134.30	134.53	134.81	1953
1954	134.57	134.60	134.54	134.89	134.91	134.52	134.35	134.29	134.48	134.52	134.48	134.64	134.58	1954
1955	134.81	134.47	134.53	134.92	134.98	134.35	134.25	134.34	134.36	134.25	134.44	134.60	134.51	1955
1956	134.42	134.31	134.22	134.33	134.78	134.53	134.43	134.33	134.39	134.32	134.36	134.60	134.43	1956
1957	134.63	134.54	134.48	134.60	134.85	134.47	134.56	134.28	134.40	134.37	134.52	135.84	134.59	1957
1958	136.04	135.24	134.87	134.72	134.85	134.83	134.47	134.37	134.45	134.39	134.44	135.00	134.77	1958
1959	134.75	134.57	134.48	134.72	134.71	134.38	134.28	134.29	134.26	134.40	134.84	135.85	134.61	1959
1960	135.17	135.07	134.88	135.10	134.74	134.27	134.38	134.19	134.16	134.25	134.37	134.76	134.59	1960
1961	134.85	134.48	134.54	134.45	134.74	134.48	134.29	134.18	134.32	134.18	134.14	134.34	134.40	1961
1962	134.52	134.42	134.27	134.47	134.85	134.31	134.30	134.24	134.38	134.23	134.51	134.81	134.41	1962
1963	134.88	134.47	134.28	134.38	134.79	134.25	134.29	134.25	134.27	134.28	134.34	135.84	134.50	1963
1964	135.84	134.83	134.75	134.92	134.84	134.38	134.44	134.44	134.18	134.15	134.84	135.94	134.74	1964
1965	135.84	135.55	135.08	134.88	134.74	---	---	134.25	134.38	134.52	---	---	---	1965
1966	134.88	---	134.80	134.42	134.80	---	---	---	---	134.44	134.84	135.82	---	1966
1967	135.48	134.88	134.72	134.80	134.88	---	---	---	134.31	---	---	---	---	1967
1968	134.77	134.59	134.55	135.06	---	---	134.18	133.98	134.03	134.15	134.11	134.55	---	1968
1969	134.44	134.28	134.15	---	---	---	---	134.25	134.11	134.10	134.49	135.01	---	1969
1970	134.78	134.77	134.48	134.74	134.75	134.32	134.28	134.17	134.21	134.43	134.44	134.87	134.52	1970
1971	134.88	134.84	134.64	134.39	134.87	134.12	134.13	134.32	134.31	134.22	134.45	134.84	134.44	1971
1972	134.88	---	134.85	134.32	134.88	134.40	134.31	134.37	---	---	---	---	---	1972
1973	---	---	134.89	134.88	134.80	134.21	---	---	134.23	134.25	134.22	135.11	---	1973
1974	135.72	134.98	134.48	134.90	134.91	134.58	133.98	---	---	133.23	133.27	134.38	---	1974
1975	134.52	134.12	134.27	134.08	133.88	133.25	132.89	---	---	132.87	---	---	---	1975
1976	---	134.45	134.41	134.73	134.00	133.08	---	---	---	132.98	133.86	134.28	---	1976
1977	133.83	133.80	133.83	133.80	133.81	133.00	133.00	133.01	133.02	133.18	133.02	---	---	1977
1978	---	---	---	---	---	133.03	132.80	132.78	132.80	133.00	133.21	134.08	---	1978
1979	133.77	133.41	133.84	---	---	133.10	132.89	133.07	133.43	133.20	133.19	---	---	1979
1980	---	---	---	---	---	133.13	133.03	---	---	133.28	133.28	133.78	---	1980
1981	133.42	134.28	133.58	133.90	133.84	133.38	133.02	132.99	132.88	133.11	133.03	132.93	133.34	1981
1982	132.95	132.92	132.98	133.41	133.82	133.08	---	---	133.10	133.04	133.41	134.78	---	1982
1983	---	134.33	133.98	133.88	134.23	133.26	132.88	132.93	132.97	133.04	133.28	133.37	---	1983
1984	133.45	133.25	133.15	133.85	133.74	133.18	133.07	---	132.95	132.85R	133.41R	133.67R	---	1984
1985	133.82	133.22	133.20	133.82	133.82	133.22	133.12	132.88	132.90	133.09R	133.29R	134.91R	133.42R	1985
1986	---	133.87	133.81	134.33	133.74	133.19	133.18	133.03	133.17	133.17R	133.83R	134.08R	---	1986
1987	133.47	133.19	133.24	133.74	133.07	133.08	133.08	132.89	133.01	---	---	---	---	1987
MOYEN	134.87	134.43	134.34	134.51	134.49	133.91	133.84	133.91	133.92	133.88R	134.08R	134.74R	134.48R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 48 53 22
LONG 71 50 13

BASSIN VERSANT, 759 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAINTE-ANNE (RIVIERE) EN AMONT DU BRAS DU NORD NO. 1 - STATION NO. 02PB003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1949	---	---	---	1949
1950	---	136.54 LE 21 AVR	134.12 LE 13 SEP	1950
1951	---	136.58 LE 9 AVR	134.29 LE 23 JUN	1951
1952	---	137.27 LE 13 DEC	134.14 LE 23 JUL	1952
1953	---	137.38 LE 28 MAR *	134.01 LE 23 AOU	1953
1954	---	136.02 LE 10 MAI	134.15 LE 31 AOU	1954
1955	---	136.41 LE 17 AVR	134.08 LE 1 DEC	1955
1956	---	136.51 LE 17 MAI	134.15 LE 9 AOU	1956
1957	---	137.15 LE 21 DEC	134.13 LE 2 SEP	1957
1958	---	136.54 LE 14 JAN	134.20 LE 14 NOV	1958
1959	---	136.10 LE 25 NOV	134.09 LE 8 AOU	1959
1960	---	137.00 LE 19 AVR	134.04 LE 3 SEP	1960
1961	---	136.48 LE 18 MAI	134.08 LE 2 DEC	1961
1962	---	136.78 LE 8 AVR	134.11 LE 8 JUL	1962
1963	---	136.25 LE 28 DEC	134.00 LE 18 JUN	1963
1964	---	137.03 LE 27 DEC	134.09 LE 1 FEV	1964
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	136.44 LE 26 AVR	134.00 LE 19 AOU	1970
1971	---	135.98 LE 21 MAI	133.97 LE 28 JUN	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	136.20 LE 23 FEV	132.73 LE 8 SEP	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	135.21R LE 13 DEC	133.77 LE 23 SEP	1985
1986	---	---	---	1986
1987	---	136.89 LE 1 AVR	132.71 LE 24 JUN *	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

SAINTE-ANNE (RIVIERE) PRES DE SAINT-RAYMOND-1 - STATION NO. 02PB008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1953	---	---	---	133.58	133.31	132.74	132.60	---	132.72	132.48	132.78	132.81	---	1953
1954	132.75	132.65	132.84	133.53	133.71	133.18	132.97	---	---	133.21	133.08	133.02	---	1954
1955	132.97	132.83	132.95	133.60	133.63	132.90	132.80	132.78	---	132.71	132.92	---	---	1955
1956	132.88	132.83	132.85	132.88	133.46	133.08	133.17	133.01	132.98	132.88	132.78	132.81	132.83	1956
1957	132.81	132.84	132.83	133.30	133.21	133.10	133.38	132.82	133.01	132.84	133.08	133.81	133.08	1957
1958	134.07	133.58	133.48	133.46	133.30	133.42	133.22	132.98	133.08	132.98	132.97	133.14	133.30	1958
1959	133.05	---	132.95	133.34	---	---	---	---	---	---	133.45	---	---	1959
1960	---	---	---	---	---	---	---	---	132.78	132.88	133.07	132.83	---	1960
1961	---	132.80	132.83	133.09	133.74	133.48	133.18	133.01	133.08	132.92	132.81	132.84	---	1961
1962	---	---	---	---	133.87	133.25	133.37	133.00	133.34	133.18	---	---	---	1962
1963	---	---	---	---	134.01	133.18	133.03	133.03	132.88	132.88	133.18	---	---	1963
1965	---	---	133.47	133.38	133.48	132.80	132.95	133.02	133.11	133.23	132.88	133.02	---	1965
1966	132.84	132.81	132.87	133.15	133.63	133.27	132.78	132.87	---	133.04	133.40	133.73	---	1966
1967	133.84	---	---	---	---	---	---	---	132.87	133.25	133.22	---	---	1967
1968	133.11	133.00	133.00	133.78	133.04	132.83	132.83	132.77	132.88	132.80	132.88	132.88	132.83	1968
1969	132.70	132.87	132.58	133.08	137 82	133.08	---	133.02	---	---	---	---	---	1969
1970	---	---	---	---	---	133.18	133.07	132.88	132.81	---	---	133.04	---	1970
1971	132.84	132.87	132.84	---	133.74	132.72	132.90	133.07	133.08	133.01	132.88	133.03	---	1971
MOYEN	133.07	132.89	132.98	133.34	133.58	133.08	133.02	132.98	132.97	132.98	133.02	133.08	133.08	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 46 53 12 BASSIN VERSANT, 1 540 km²
LONG 71 51 23 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SAINTE-ANNE (RIVIERE) PRES DE SAINT-RAYMOND-1 - STATION NO. 02PB008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	134.88 LE 17 MAI	132.50 LE 2 FEV *	1957
1958	---	135.48 LE 22 DEC	132.67 LE 23 AOU	1958
1959	---	135.30 LE 2 JUN	132.70 LE 16 AOU	1959
1960	---	---	---	1960
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1965	---	---	---	1965
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	136.04 LE 28 AVR *	132.56 LE 8 SEP	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAINTE-PIERRE (LAC) A LOUISEVILLE - STATION NO. 020C003

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1961	---	---	---	---	---	---	---	---	---	3.87	3.68	3.85	---	1961
1962	4.22	4.45	---	5.00	4.49	3.81	3.70	3.88	3.83	3.88	3.87	3.70	---	1962
1963	4.28	4.28	4.21	4.87	4.14	3.80	3.50	3.63	3.89	3.83	4.09	4.06	4.01	1963
1964	4.53	4.44	4.48	4.39	4.15	---	---	---	3.21	3.24	3.22	3.59	---	1964
1965	3.78	4.04	3.70	3.93	4.13	3.84	3.51	3.74	3.82	4.57	4.55	4.56	4.00	1965
1966	4.87	4.89	5.00	4.85	4.49	4.08	3.88	3.80	3.89	3.88	3.95	4.80	4.29	1966
1967	4.87	4.92	4.51	---	---	4.51	4.24	3.88	3.78	4.40	5.00	4.80	---	1967
1968	---	---	---	---	4.36	3.86	4.04	3.89	4.01	3.82	4.10	4.33	---	1968
1969	4.73	4.88	4.58	---	---	4.87	4.49	4.41	4.27	4.04	4.47	4.39	---	1969
1970	4.62	4.45	4.28	---	---	4.48	4.32	4.15	3.94	4.12	4.21	4.47	---	1970
1971	4.45	4.88	4.83	---	5.77	4.26	3.82	3.85	3.99	3.85	3.75	---	---	1971
1972	---	---	---	---	---	---	---	4.84	4.52	4.59	4.89	4.86	---	1972
1973	5.07	5.18	---	---	---	---	4.92	4.62	4.44	4.48	4.32	4.62	---	1973
1974	4.87	4.83	5.20	5.94	---	---	---	---	---	---	4.47	4.62	---	1974
1975	4.47	4.51	4.88	5.47	---	---	---	---	---	---	---	---	---	1975
1981	---	---	---	---	---	---	---	---	---	---	---	---	---	1981
1984	---	---	---	---	5.23R	---	---	4.45R	4.28R	3.97R	4.10R	---	---	1984
MOYEN	4.52	4.60	4.54	4.95	4.80R	4.14	4.02	4.08R	3.94R	4.00R	4.18R	4.35	4.10	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 13 17
LONG 72 56 31 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

SAINTE-PIERRE (LAC) A LOUISEVILLE - STATION NO. 020C003

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1961	---	---	---	1961
1962	---	---	---	1962
1963	---	---	---	1963
1964	---	5.93 LE 8 AVR	3.30 LE 31 JUL	1964
1965	---	5.05 LE 25 OCT	2.91 LE 28 MAR *	1965
1966	---	5.55 LE 26 MAR	3.45 LE 26 SEP	1966
1967	---	---	---	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971
1972	---	---	---	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	5.45 LE 28 AVR *	4.07 LE 23 JAN	1975
1981	7.18 LE 28 FEV A 0759 HNE *	---	---	1981
1984	---	---	---	1984

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SAKAMI (RIVIERE) A LA SORTIE DU LAC SAKAMI - STATION NO. 030E005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	29.82R	30.21R	---	---	1982
1983	---	---	29.77R	29.71R	30.35R	30.91R	30.85R	30.68R	31.05R	31.00R	30.55R	---	---	1983
1984	---	---	---	29.45R	---	30.50R	30.58R	30.32R	29.74R	30.37R	30.60R	---	---	1984
MOYEN	---	---	29.77R	29.58R	30.35R	30.71R	30.77R	30.49R	30.40R	30.40R	30.48R	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 154 920 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 53 28 05
LONG 78 40 47

BASSIN VERSANT, 8 890 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SAVANE (LAC DE LA) - STATION NO. 02LC084

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	28.73	---	---	---	---	1977
1978	---	---	---	---	---	28.62	---	28.75	28.66	28.23	28.07	---	---	1978
1980	---	---	---	---	---	27.65	27.78	28.16	28.43	28.47	28.41	---	---	1980
1981	---	---	---	---	---	---	---	---	---	28.38	28.42	---	---	1981
1982	---	28.34	28.36	28.46	28.48	28.38	28.35	28.33	28.37	28.35	28.39	28.44	---	1982
1983	28.43	28.36	28.37	28.44	28.55	28.40	28.35	28.31	---	28.35	28.39	28.38	---	1983
1984	28.35	28.38	28.37	28.51	28.47	28.40	28.47	28.38	28.35	28.34R	28.37R	---	---	1984
1985	---	---	---	28.47	28.50	28.39	28.38	---	---	---	---	---	---	1985
MOYEN	28.39	28.37	28.38	28.47	28.50	28.34	28.27	28.39	28.55	28.35R	28.34R	28.41	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 28 38
LONG 74 28 23

BASSIN VERSANT, 40.7 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SCRYER (LAC) - STATION NO. 02LD011

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	---	---	---	25.87	---	1977
1978	---	---	25.87	26.11	---	---	---	---	25.53	25.53	25.67	25.80	---	1978
1979	---	---	25.82	26.23	25.81	---	---	25.89	25.72	25.77	---	---	---	1979
MOYEN	---	---	25.75	26.17	25.81	---	---	25.89	25.63	25.65	25.67	25.74	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 50 30
LONG 78 12 47

BASSIN VERSANT, 73.0 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SEIZE ILES (LAC DES) - STATION NO. 02LC035

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1967	---	---	---	---	---	3.27	3.26	3.25	3.24	3.22	3.25	3.14	---	1967
1968	3.10	3.10	3.13	3.32	3.27	3.28	3.27	3.22	3.22	3.25	3.26	3.11	3.21	1968
1969	3.05	3.07	3.04	3.33	3.30	3.22	3.22	3.25	3.24	3.24	3.24	3.13	3.20	1969
1970	3.07	3.09	3.07	3.28	3.30	3.21	---	3.20	3.20	---	3.25	3.12	---	1970
1971	3.08	3.08	3.07	3.32	3.31	3.25	3.24	3.25	3.27	3.27	3.25	3.13	3.20	1971
1972	3.08	3.08	3.08	3.22	3.38	---	---	---	---	---	---	---	---	1972
MOYEN	3.07	3.08	3.08	3.27	3.31	3.25	3.25	3.23	3.23	3.25	3.25	3.13	3.20	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 52 40
LONG 74 28 44

BASSIN VERSANT, 40.7 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SEIZE ILES (LAC DES) - STATION NO. 02LC035

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1967	---	---	---	1967
1968	---	3.48 LE 2 AVR	3.05 LE 8 MAR	1968
1969	---	3.58 LE 19 AVR *	3.02 LE 17 JAN *	1969
1970	---	---	---	1970
1971	---	3.48 LE 8 MAI	3.03 LE 4 FEV	1971
1972	---	---	---	1972

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SHIPSHAW (RIVIERE) AU RESERVOIR DNATCHIWAY - STATION NO. 02RH004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	35.22	34.15	32.15	30.62	32.15	34.40	35.05	35.10	35.42	35.80	35.89	35.71	34.80	1965
1966	35.66	33.28	31.42	28.73	30.15	35.15	35.26	35.29	35.74	37.07	37.15	37.11	34.35	1966
1967	35.22	33.86	31.30	30.25	32.69	35.82	36.21	35.29	34.03	34.45	35.27	34.75	34.25	1967
1968	33.86	31.82	28.78	26.79	33.83	33.61	33.44	33.75	34.78	34.11	34.01	32.72	32.90	1968
1969	31.07	29.69	27.78	26.86	31.47	36.29	36.62	36.23	35.80	35.46	36.80	36.76	33.40	1969
1970	35.62	33.42	30.80	28.81	32.29	35.67	36.56	37.17	37.04	36.81	36.48	37.17	34.85	1970
1971	36.83	35.03	32.57	30.68	33.44	36.53	36.20	36.26	37.24	37.31	37.28	37.34	35.98	1971
1972	36.51	---	30.38	---	29.58	35.13	35.37	35.50	35.26	---	36.88	---	---	1972
1973	36.41	34.15	31.15	28.66	35.95	37.40	37.29	37.27	37.12	36.97	37.02	37.24	35.56	1973
1974	36.34	34.20	---	---	---	---	36.65	---	---	37.14	37.34	37.38	---	1974
1975	36.62	34.12	30.88	28.68	28.71	33.22	34.43	35.65	35.64	35.89	36.25	37.00	33.66	1975
1976	36.46	34.64	30.98	31.70	36.26	37.03	36.16	36.67	36.14	---	36.63	36.36	---	1976
1977	34.26	32.42	28.70	27.67	34.85	36.71	35.91	35.87	36.20	36.63	36.92	36.48	34.34	1977
1978	35.95	33.15	28.84	26.22	30.91	34.75	36.26	36.80	34.65	35.32	36.14	37.00	33.76	1978
1979	36.12	33.82	30.79	29.76	36.73	36.87	36.47	36.01	35.34	36.27	36.97	37.40	36.13	1979
1980	36.61	33.71	30.36	28.13	33.73	34.70	36.17	37.03	36.99	---	---	---	---	1980
MOYEN	35.87	33.42	30.57	28.86	32.88	35.80	35.89	35.95	35.91	36.07	36.37	36.46	34.38	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 274.320 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 48 53 25 BASSIN VERSANT, 1 740 km²
LONG 71 02 20 REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE PRICE LIMITEE

SHIPSHAW (RIVIERE) AU RESERVOIR DNATCHIWAY - STATION NO. 02RH004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	37.02 LE 27 SEP	29.92 LE 2 MAI	1965
1966	---	37.27 LE 11 NOV	27.19 LE 24 AVR	1966
1967	---	37.19 LE 18 JUN	29.85 LE 30 AVR	1967
1968	---	35.05 LE 13 SEP	27.05 LE 18 AVR	1968
1969	---	37.27 LE 25 NOV	25.91 LE 14 AVR	1969
1970	---	37.41 LE 24 JUL	25.38 LE 21 AVR *	1970
1971	---	37.43 LE 12 DEC	29.91 LE 29 AVR	1971
1972	---	---	---	1972
1973	---	37.48 LE 10 JUN	27.34 LE 18 AVR	1973
1974	---	---	---	1974
1975	---	37.44 LE 1 JAN	28.41 LE 17 AVR	1975
1976	---	---	---	1976
1977	---	37.05 LE 18 JUN	27.01 LE 19 AVR	1977
1978	---	37.08 LE 25 DEC	25.82 LE 1 AVR	1978
1979	---	37.47 LE 5 DEC *	29.11 LE 19 AVR	1979
1980	---	37.40 LE 3 JAN	27.31 LE 10 AVR	1980

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 274.320 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SHIPSHAW (RIVIERE) AU RESERVOIR PIPMUACAN - STATION NO. 02RH005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	---	92.14	---	89.85	---	---	---	---	92.12	---	93.88	---	---	1987
MOYEN	---	92.14	---	89.85	---	---	---	---	92.12	---	93.88	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 49 19 48 BASSIN VERSANT, 277 km²
LONG 70 58 42 REGULARISE

DONNEES FOURNIES PAR -
LA COMPAGNIE PRICE LIMITEE

SIMARD (LAC) A LAFORCE - STATION NO. 02JB012

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1955	282.85	282.05	281.78	281.84	283.22	282.38	282.43	282.07	281.86	282.53	283.45	282.93	282.43	1955
1956	282.36	282.38	281.70	280.82	282.80	283.31	283.56	283.48	283.67	283.80	283.41	283.10	282.83	1956
1957	282.87	282.78	---	281.17	283.26	---	283.53	283.33	283.18	283.38	283.50	283.51	---	1957
1958	283.48	283.08	282.00	281.10	282.26	282.83	282.71	282.30	282.36	---	283.40	282.97	---	1958
1959	282.78	282.14	281.51	281.24	282.89	283.45	282.77	281.87	282.28	282.82	283.53	283.52	282.57	1959
1960	283.44	282.82	281.90	281.14	283.58	283.84	283.52	283.54	283.08	282.38	282.12	282.78	282.83	1960
1961	282.80	282.34	---	---	282.51	282.78	---	---	---	---	---	---	---	1961
1978	282.77	281.88	---	---	---	---	283.38	---	---	---	---	---	---	1978
1987	---	---	---	---	281.737	282.718	282.820	282.833	282.858	282.773	282.728	282.478	---	1987
MOYEN	282.83	282.41	281.78	281.19	282.778	283.004	283.104	282.778	282.884	282.911	283.182	283.051	282.87	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 31 40 BASSIN VERSANT, 23 400 km²
LONG 78 43 54 REGULARISE

REMARQUES - CEDEE A WRB-ONT DU DPW-QUE AVR 1987

SIMARD (LAC) A LAFORCE - STATION NO. 02JB012

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1955	---	263.57 LE 8 NOV	260.91 LE 8 AVR	1955
1956	---	263.89 LE 16 JUL	257.39 LE 21 JUN *	1956
1957	---	---	---	1957
1958	---	---	---	1958
1959	---	263.63 LE 14 NOV	260.80 LE 12 AVR	1959
1960	---	263.86 LE 15 MAI *	260.88 LE 15 AVR	1960
1961	---	---	---	1961
1978	---	---	---	1978
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SIMON (LAC) - STATION NO. 02LD007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1974	---	---	---	---	---	---	---	198.08	197.98	197.83	198.18	---	---	1974
1975	---	---	---	---	---	198.45	198.18	197.94	197.80	---	---	---	---	1975
1976	---	---	---	---	---	198.48	198.37	198.32	198.17	198.04	---	---	---	1976
1977	---	---	---	---	---	198.36	198.27	198.18	198.11	198.32	---	---	---	1977
1978	---	---	---	---	---	---	---	---	---	197.82	---	---	---	1978
1979	---	---	---	198.98	198.80	198.41	198.48	198.31	198.22	198.08	198.13	198.33	---	1979
1980	198.11	197.86	197.84	198.63	198.50	198.23	198.25	198.32	198.15	198.31	198.45	198.08	198.23	1980
1981	---	198.01	198.66	198.93	198.67	198.68	198.37	198.22	198.34	198.11	198.26	198.07	---	1981
1982	---	---	---	---	---	198.31	198.34	198.17	198.14	198.14	198.08	---	---	1982
1983	---	198.11	198.08	198.54	198.12	198.63	---	---	197.98	197.87	198.15	198.12	---	1983
1984	198.07	198.04	198.13	198.84	198.86	---	---	---	---	197.88R	197.78R	198.15R	---	1984
1985	---	---	---	198.33	198.63	198.09	198.06	197.98	197.88	197.88R	197.88R	197.78R	---	1985
1986	197.84	197.61	---	198.58	---	198.32	198.02	198.04	198.08	197.98R	197.82R	197.73R	---	1986
1987	197.88	197.80	197.80	198.52	197.99	198.09	197.94	197.72	197.84	---	---	---	---	1987
MOYEN	197.88	197.88	198.08	198.68	198.62	198.37	198.23	198.11	198.04	198.03R	198.08R	198.04R	198.23	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 54 21 BASSIN VERSANT, 1 180 km² DONNEES FOURNIES PAR - R - REVISEE DEPUIS JAN 1, 1986
LONG 75 05 33 DEBIT NATUREL MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SIMON (LAC) - STATION NO. 02LD007

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	198.92 LE 18 AVR *	197.78 LE 5 MAR	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	198.78 LE 10 AVR	197.55 LE 1 MAR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SINCENNES (LAC) AU RESERVOIR SINCENNES - STATION NO. 02NB004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	---	---	0.58	---	1982
1984	0.42	0.38	0.33	0.40	0.66	0.80	0.90	1.00	1.09	1.13	0.98	0.63	0.72	1984
1985	0.37	0.27	0.20	0.23	0.53	0.73	0.78	0.84	0.89	1.04	1.09	0.84	0.63	1985
1986	0.41	0.28	0.24	0.27	0.50	0.43	0.28	0.38	0.32	0.31	0.44	0.65	0.37	1986
1987	0.31	0.23	0.19	0.19	0.48	0.76	0.96	0.99	0.92	1.17	1.43	1.15	0.73	1987
1988	0.55	0.39	0.31	0.51	0.84	0.17	0.10	0.11	0.13	---	---	---	---	1988
MOYEN	0.41	0.31	0.25	0.32	0.54	0.58	0.60	0.65	0.67	0.91	0.99	0.89	0.61	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 32 13 BASSIN VERSANT, 51.8 km² DONNEES FOURNIES PAR -
LONG 73 53 17 REGULARISE HYDRO-QUEBEC

SINCENNES (LAC) AU RESERVOIR SINCENNES - STATION NO. 02NB004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1984	---	1.14 LE 13 SEP	0.32 LE 25 MAR	1984
1985	---	1.17 LE 18 NOV	0.19 LE 15 MAR	1985
1986	---	0.81 LE 25 MAI	0.20 LE 7 AVR	1986
1987	---	1.47 LE 30 NOV *	0.18 LE 5 AVR *	1987
1988	---	---	---	1988

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SOURIS (LAC DES) - STATION NO. 02NG014

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	---	---	28.99	28.99	29.18	29.21	---	1966
1967	29.13	29.10	29.02	29.10	29.31	29.21	29.21	29.06	28.97	29.13	29.16	29.17	29.13	1967
1968	---	---	29.12	29.36	29.18	29.11	28.96	28.88	28.89	28.91	28.97	---	---	1968
1969	---	29.20	29.13	29.27	29.32	29.28	29.11	29.14	29.08	28.98	29.25	---	---	1969
1970	29.16	29.19	---	29.18	29.32	29.25	29.06	28.91	28.94	---	29.13	29.18	---	1970
1971	29.11	29.13	29.13	29.35	29.18	---	---	---	---	---	---	---	---	1971
MOYEN	29.14	29.18	29.10	29.21	29.30	29.21	29.09	29.00	28.97	29.00	29.14	29.19	29.13	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 35 05
LONG 72 59 02 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

SOURIS (LAC DES) - STATION NO. 02NG014

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	29.42 LE 4 MAI *	28.92 LE 20 SEP *	1967
1968	---	---	---	1968
1969	---	---	---	1969
1970	---	---	---	1970
1971	---	---	---	1971

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

SWAMPY BAY (RIVIERE) - STATION NO. 03LD004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	29.40	---	---	---	1982
1983	---	---	28.88	28.81	29.80	29.84	29.81	29.30	29.28	29.70	29.48	---	---	1983
1984	---	---	---	28.81	29.38	30.03	29.54	29.38	29.26	29.53R	29.33R	29.18R	---	1984
1985	28.83	---	---	28.88	28.82	30.05	29.42	29.07	29.00	29.05R	29.13R	---	---	1985
1986	---	28.85	28.90	28.80	29.22	30.10	29.67	29.39	29.30	29.29R	29.10R	28.98R	---	1986
1987	28.88	28.87	28.81	28.74	29.61	29.98	29.48	29.83	29.44	---	---	---	---	1987
MOYEN	28.91	28.91	28.88	28.80	29.37	30.00	29.58	29.33	29.28	29.39R	29.28R	29.07R	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 58 36 34
LONG 68 33 50

BASSIN VERSANT, 8 990 km²
DEBIT NATUREL

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

SWAMPY BAY (RIVIERE) - STATION NO. 03LD004

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	30.15 LE 8 JUN *	28.73 LE 10 AVR *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TASCHEREAU (LAC) - STATION NO. 04MA007

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1970	---	---	---	---	---	---	30.47	30.37	30.45	30.48	30.45	---	---	1970
1971	---	---	---	---	30.78	30.42	30.43	30.44	---	30.52	30.57	---	---	1971
1972	---	---	---	---	30.63	30.61	30.52	30.47	30.58	30.64	---	---	---	1972
1973	---	---	---	---	---	---	30.61	30.60	30.64	---	---	---	---	1973
MOYEN	---	---	---	---	30.81	30.52	30.48	30.45	30.58	30.55	30.51	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 39 49
LONG 78 41 00 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

TEMISCAMINGUE (LAC) A TEMISCAMING - STATION NO. 02JE025

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	---	---	178.878	178.478	177.730	178.887	178.240	178.871	178.821	178.898	178.988	178.983	---	1987
MOYEN	---	---	178.878	178.478	177.730	178.887	178.240	178.871	178.821	178.898	178.988	178.983	---	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 46 42 58
LONG 79 08 18

REMARQUES - CEDEE A WRB-ONT DU DPW-QUE AVR 1987

TEMISCAMINGUE (LAC) A TEMISCAMING - STATION NO. 02JE025

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1987	179.351 LE 9 JUL A 1505 HNE *	179.339 LE 9 JUL *	178.361 LE 23 MAR *	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TEMISCAMINGUE (LAC) A VILLE-MARIE - STATION NO. 02JE026

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1987	---	---	---	178.513	177.888	178.872	179.231	178.858	178.802	178.887	178.941	178.980	---	1987
MOYEN	---	---	---	178.513	177.888	178.872	179.231	178.858	178.802	178.887	178.941	178.980	---	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 47 18 45
LONG 79 26 40

REMARQUES - CEDEE A WRB-ONT DU DOW-QUE AVR 1987

TEMISCAMINGUE (LAC) A VILLE-MARIE - STATION NO. 02JE026

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1987	179.339 LE 9 JUL A 1824 HNE *	179.333 LE 9 JUL *	---	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TOULNUSTOUC (RIVIERE) AU RESERVOIR STE-AANE - STATION NO. 02TC002

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	296.94	296.64	294.83	294.42	291.96	298.47	302.02	302.26	302.25	302.36	301.86	300.07	298.85	1965
1966	296.86	293.09	288.05	283.85	288.50	298.26	301.40	301.90	301.34	301.70	302.05	300.12	298.28	1966
1967	296.12	288.83	277.02	271.48	277.93	281.01	295.83	297.80	297.54	300.88	301.57	300.31	291.28	1967
1968	297.22	293.53	287.88	280.05	287.77	294.78	297.23	298.84	298.21	299.51	300.37	299.26	294.85	1968
1969	297.13	292.56	283.78	272.38	280.62	294.86	299.12	297.83	296.97	296.21	296.86	296.31	291.88	1969
1970	292.18	289.86	285.25	277.75	284.12	292.86	294.13	293.48	292.23	294.07	293.84	292.82	290.20	1970
1971	288.14	284.12	278.86	277.04	284.87	295.11	298.42	295.56	296.04	296.00	296.43	293.96	290.86	1971
1972	290.70	288.54	281.14	271.39	275.78	289.81	298.81	298.84	296.56	299.21	299.12	296.17	290.71	1972
1973	295.81	292.19	287.23	281.41	286.96	298.44	301.00	301.27	300.85	300.82	300.95	299.86	295.80	1973
1974	295.50	290.83	286.47	280.23	279.04	295.78	300.74	300.89	300.81	300.84	300.11	298.52	294.27	1974
1975	299.32	297.76	294.44	291.36	293.46	301.21	301.80	300.78	299.87	300.85	298.77	297.36	297.85	1975
1976	296.85	296.02	292.34	290.27	296.53	299.78	299.31	300.90	301.24	300.96	300.35	297.74	298.85	1976
1977	293.82	287.95	281.83	273.89	284.63	297.55	299.71	300.15	300.69	301.59	301.66	300.60	293.74	1977
1978	296.80	290.86	283.42	279.19	285.74	297.01	300.78	301.15	300.88	301.37	300.93	297.88	294.67	1978
1979	292.90	287.27	280.15	274.84	291.83	299.88	301.24	301.41	300.35	300.93	300.29	---	---	1979
1980	291.90	288.43	---	282.77	288.63	298.51	298.95	300.20	300.54	301.82	300.93	298.91	---	1980
1981	294.81	290.57	287.86	285.85	295.90	301.00	301.44	301.34	299.35	---	---	---	---	1981
1982	---	287.84	---	277.00	283.86	295.87	299.53	299.96	300.04	---	---	---	---	1982
1983	---	---	---	---	---	289.00	300.44	---	---	299.38	295.86	293.40	---	1983
1984	286.99	283.30	277.47	276.38	281.23	291.81	291.59	290.37	290.35	290.55	291.86	292.85	287.21	1984
1985	293.87	294.02	292.38	287.57	292.92	298.90	299.76	296.93	296.87	296.87	295.91	293.93	292.89	1985
1986	290.87	286.27	279.86	277.01	287.94	293.26	295.92	297.70	299.80	301.52	300.76R	298.90A	292.52R	1986
1987	295.98	292.40	286.41	285.06	289.80	292.98	294.23	297.32	298.98	299.71	299.69	298.47	294.25	1987
MOYEN	294.14	289.84	284.83	280.04	285.71	295.88	298.44	298.89	298.82	299.44	299.10R	297.26R	293.39R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 50 07 40 BASSIN VERSANT, 7 930 km²
LONG 67 56 00 REGULARISE

DONNEES FOURNIES PAR -
QUEBEC NORTH SHORE PAPER COMPANY

R - REVISEE DEPUIS JAN 1, 1985

TOULNUSTOUC (RIVIERE) AU RESERVOIR STE-AANE - STATION NO. 02TC002

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1965	---	302.38 LE 3 SEP	290.63 LE 12 MAI	1965
1966	---	302.45 LE 5 NOV *	282.84 LE 13 AVR	1966
1967	---	301.93 LE 12 NOV	271.42 LE 12 AVR	1967
1968	---	300.75 LE 19 NOV	277.79 LE 14 AVR	1968
1969	---	299.34 LE 21 JUL	271.87 LE 25 AVR	1969
1970	---	294.82 LE 23 OCT	275.54 LE 21 AVR	1970
1971	---	299.50 LE 7 NOV	274.32 LE 30 MAR	1971
1972	---	299.30 LE 23 OCT	271.27 LE 3 A R *	1972
1973	---	301.48 LE 17 AOU	279.25 LE 27 AVR	1973
1974	---	301.29 LE 29 AOU	276.04 LE 14 MAI	1974
1975	---	302.06 LE 20 JUN	280.50 LE 26 AVR	1975
1976	---	301.93 LE 14 SEP	279.44 LE 14 AVR	1976
1977	---	301.80 LE 29 NOV	272.82 LE 14 AVR	1977
1978	---	301.95 LE 1 NOV	278.59 LE 1 AVR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	293.04 LE 18 DEC	275.88 LE 2 MAI	1984
1985	---	297.21 LE 11 OCT	276.29 LE 13 MAI	1985
1986	---	301.76 LE 19 OCT	275.88 LE 1 AVR	1986
1987	---	300.10 LE 28 OCT	282.70 LE 2 AVR	1987

PLAN DE REFRENCE - ARBITRAIRE

* EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TRENTE ET UN MILLES (LAC DES) A PONT-CONFORT - STATION NO. 02LH018

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	182.27	182.14	182.14	182.06	182.01	182.06	182.22	---	1966
1967	182.14	182.07	182.02	182.15	182.36	182.29	182.44	182.19	182.13	182.21	182.50	182.43	182.25	1967
1968	182.28	182.19	182.07	182.35	182.28	182.11	182.00	181.95	181.96	181.97	181.97	182.02	182.10	1968
1969	182.10	182.18	182.23	182.43	182.64	182.57	182.31	182.23	182.12	182.07	182.13	182.18	182.27	1969
1970	182.18	182.19	182.16	182.14	182.43	182.45	182.27	182.13	181.92	181.87	181.92	182.00	182.14	1970
1971	182.05	182.11	182.10	182.13	182.46	182.30	182.14	182.03	181.98	181.88	181.92	181.97	182.10	1971
1972	182.08	182.10	182.13	182.20	182.85	182.57	182.57	182.32	182.12	181.88	182.00	182.00	182.23	1972
1973	181.89	182.02	182.11	182.40	182.38	182.38	182.26	182.10	181.95	181.78	181.88	181.71	182.06	1973
1974	181.74	181.78	181.81	182.09	182.81	182.56	182.33	181.99	181.78	181.72	181.78	181.86	182.01	1974
1975	181.84	181.81	181.77	181.80	182.27	182.18	181.88	181.86	181.54	181.48	181.48	181.52	181.78	1975
1976	181.87	181.82	181.73	182.34	182.46	182.35	182.10	181.88	181.63	181.61	181.57	181.56	181.87	1976
1977	181.57	181.55	181.67	182.09	182.10	181.90	181.75	181.82	181.64	181.55	181.57	181.72	181.72	1977
1978	181.79	181.83	182.11	182.35	182.52	182.23	182.14	182.17	182.18	182.16	182.16	182.24	182.17	1978
1979	182.31	182.33	182.29	182.60	182.59	182.42	182.28	182.23	182.24	182.21	182.12	182.13	182.31	1979
1980	182.08	181.98	181.93	182.31	182.34	182.30	182.20	182.18	182.15	182.23	182.22	182.06	182.16	1980
1981	181.93	181.91	182.23	182.42	182.39	182.36	182.30	182.30	182.28	182.02	181.94	181.97	182.17	1981
1982	181.97	181.97	181.89	182.00	182.26	---	---	---	---	---	---	---	---	1982
MOYEN	181.98	181.98	182.02	182.24	182.42	182.33	182.20	182.07	181.98	181.93	181.94	181.97	182.09	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 05 13 BASSIN VERSANT, 337 km²
LONG 75 50 58 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

TRENTE ET UN MILLES (LAC DES) A PONT-COMFORT - STATION NO. 02LH019

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	182.53 LE 14 NOV	182.01 LE 4 MAR	1967
1968	---	182.42 LE 14 AVR	181.90 LE 31 AOU	1968
1969	---	182.71 LE 25 MAI	182.05 LE 11 OCT	1969
1970	---	182.52 LE 7 JUN	181.85 LE 29 SEP	1970
1971	---	182.48 LE 6 MAI	181.81 LE 15 NOV	1971
1972	---	182.73 LE 12 MAI *	181.83 LE 21 OCT	1972
1973	---	182.42 LE 8 AVR	181.88 LE 9 NOV	1973
1974	---	182.71 LE 15 MAI	181.70 LE 25 OCT	1974
1975	---	182.30 LE 11 MAI	181.48 LE 6 NOV *	1975
1976	---	182.53 LE 23 MAI	181.85 LE 1 JAN	1976
1977	---	182.20 LE 24 AVR	181.51 LE 24 SEP	1977
1978	---	182.82 LE 2 MAI	181.74 LE 1 JAN	1978
1979	---	182.66 LE 29 AVR	182.07 LE 22 NOV	1979
1980	---	182.43 LE 17 AVR	181.85 LE 8 MAR	1980
1981	---	182.47 LE 10 AVR	181.84 LE 11 FEV	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TRENTE ET UN MILLES (LAC DES) AU BARRAGE - STATION NO. 02LH028

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1983	---	182.34	---	---	---	182.45	182.30	182.31	182.18	182.12	182.09	182.18	---	1983
1984	182.21	182.15	182.07	182.17	182.35	182.27	182.23	182.20	182.12	181.88R	181.94R	182.10R	182.13R	1984
1985	---	---	---	---	---	182.23	182.16	182.15	182.08	182.04R	182.00R	182.04R	---	1985
1986	182.08	182.08	181.98	182.15	182.26	182.26	182.22	182.21	182.12	181.98R	181.92R	182.08R	182.11R	1986
1987	182.10	182.05	181.97	182.18	182.13	182.18	182.10	182.01	181.97	---	---	---	---	1987
MOYEN	182.13	182.16	182.01	182.18	182.22	182.28	182.21	182.18	182.09	182.00R	181.98R	182.10R	182.12R	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 46 16 34 BASSIN VERSANT, 337 km²
LONG 75 48 14 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1986

TRENTE ET UN MILLES (LAC DES) AU BARRAGE - STATION NO. 02LH028

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1983	---	---	---	1983
1984	---	182.32 LE 18 JUN	181.85R LE 21 OCT *	1984
1985	---	---	---	1985
1986	---	182.36 LE 24 MAI *	181.90R LE 4 NOV	1986
1987	---	182.21 LE 7 AVR	181.91 LE 23 MAR	1987

PLAN DE REFRENCE - SERVICE GEODESIQUE DU CANADA

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1986

TROIS LACS (LES) - STATION NO. 020D008

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1965	---	---	---	---	---	---	---	---	---	28.23	28.08	28.88	---	1965
1966	28.88	28.85	29.17	28.96	28.93	28.78	28.72	28.80	28.83	28.00	28.02	28.25	28.00	1966
1967	29.12	28.96	28.81	28.78	29.02	29.05	28.81	29.08	28.73	28.05	28.83	28.24	29.05	1967
1968	28.93	28.96	29.36	---	28.77	28.83	28.72	28.88	28.80	28.72	---	---	---	1968
1969	28.77	28.75	28.81	28.87	29.19	28.94	28.85	28.85	28.98	28.80	29.14	28.94	28.89	1969
1970	28.89	28.86	28.74	28.75	29.06	28.81	28.73	28.65	29.02	28.90	28.88	28.80	28.88	1970
1971	28.76	28.79	28.88	30.30	28.47	28.70	28.67	29.24	29.08	28.80	28.77	28.96	29.05	1971
1972	28.86	28.75	28.88	28.78	28.46	29.07	29.14	29.29	28.70	29.07	29.02	28.88	29.06	1972
1973	28.96	28.85	29.62	29.34	29.22	28.87	28.79	28.80	29.16	28.84	28.82	28.27	28.96	1973
1974	28.86	28.73	29.10	28.86	28.61	28.87	29.00	28.76	28.80	28.88	29.11	28.83	29.00	1974
1975	28.88	28.83	29.01	28.37	28.86	28.75	28.80	28.85	28.72	28.88	28.87	28.81	28.82	1975
1976	28.74	28.99	29.82	28.85	29.25	28.89	29.01	29.18	28.83	28.99	29.01	28.81	29.06	1976
1977	28.63	28.67	29.30	29.37	28.62	28.74	28.85	28.83	28.74	29.18	28.88	28.85	28.85	1977
1978	28.97	28.78	28.74	28.87	28.89	28.89	28.84	28.87	28.68	28.85	28.82	28.70	28.83	1978
1979	29.00	28.80	29.58	28.47	28.74	---	---	---	---	28.73	28.99	---	---	1979
1980	---	---	---	29.19	28.83	28.85	---	---	---	29.05	29.01	28.98	---	1980
1981	28.85	29.42	28.84	28.23	28.84	28.89	28.78	29.06	28.73	29.05	28.93	28.78	28.94	1981
1982	28.79	28.78	---	---	---	---	---	---	---	---	---	---	---	1982
MOYEN	28.83	28.85	29.10	28.62	28.84	28.80	28.77	28.87	28.82	28.84	28.87	28.83	28.87	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 48 20 BASSIN VERSANT, 513 km²
LONG 71 54 34 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

TROIS LACS (LES) - STATION NO. 020D008

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1985	---	---	---	1985
1986	---	30.18 LE 30 MAR	28.49 LE 6 JUL	1986
1987	---	31.14 LE 4 AVR	28.55 LE 22 SEP	1987
1988	---	---	---	1988
1989	---	31.29 LE 17 AVR	28.54 LE 12 JUL	1989
1970	---	31.35 LE 18 AVR	28.52 LE 4 FEV	1970
1971	---	32.03 LE 21 AVR *	28.52 LE 19 MAI	1971
1972	---	31.28 LE 8 AOU	28.46 LE 17 SEP	1972
1973	---	31.14 LE 18 MAR	28.54 LE 13 JUL	1973
1974	---	30.98 LE 30 AVR	28.47 LE 18 AOU	1974
1975	---	31.48 LE 20 AVR	28.46 LE 2 JUL	1975
1976	---	31.85 LE 2 AVR	28.56 LE 11 JUN	1976
1977	---	30.99 LE 16 MAR	28.43 LE 28 JUL *	1977
1978	---	31.20 LE 21 AVR	28.44 LE 27 AOU	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	30.88 LE 29 OCT	28.46 LE 9 SEP	1981
1982	---	---	---	1982

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TROIS SAUMONS (LAC) - STATION NO. 02PG020

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	28.80	---	---	---	1982
1983	---	---	---	---	---	29.46	29.45	29.40	29.39	28.83	---	---	---	1983
1984	---	---	---	---	---	29.46	29.46	29.44	29.40	28.58R	---	---	---	1984
1985	---	---	---	---	---	29.43	29.46	29.43	29.37	28.10R	---	---	---	1985
1986	---	---	---	---	29.23	29.46	29.47	29.45	29.42	28.92R	---	---	---	1986
1987	---	---	---	---	29.14	29.35	29.45	29.41	29.41	---	---	---	---	1987
MOYEN	---	---	---	---	29.19	29.43	29.46	29.43	29.40	28.77R	---	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 07 18 LONG 70 12 24 — BASSIN VERSANT, 15.0 km² REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1985

TRUITE (ETANG A LA) - STATION NO. 020B010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	29.02	29.12	29.09	---	1982
1983	29.01	29.05	29.08	29.12	29.59	30.38	29.51	29.78	---	---	29.08	29.08	---	1983
1984	29.02	29.01	29.01	29.08	29.37	30.44	30.46	30.23	---	29.81R	29.18R	29.13R	---	1984
1985	29.07	29.03	29.01	29.03	29.62	30.55	30.51	30.08	29.08	29.13R	29.08R	29.04R	29.44R	1985
1986	29.03	29.05	29.02	29.13	---	---	30.46	30.29	29.30	---	---	---	---	1986
1987	---	29.01	29.01	29.23	29.66	29.66	29.11	28.93	---	---	---	---	---	1987
MOYEN	29.03	29.01	29.09	29.12	29.56	30.25	30.01	29.66	29.19	29.09R	29.12R	29.09R	29.44R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 40 43 LONG 68 47 08 — BASSIN VERSANT, 34.4 km² REGULARISE — DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC — R - REVISEE DEPUIS JAN 1, 1986

TRUITE (ETANG A LA) - STATION NO. 020B010

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	30.66 LE 3 JUN *	28.98 LE 12 MAR *	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

TUNULIC (RIVIERE) PRES DE L'EMBOUCHURE - STATION NO. 03MC001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1982	---	---	---	---	---	---	---	---	---	29.83	29.75	---	---	1982
1983	---	---	---	---	---	---	---	---	29.83	30.06	29.87	29.83	---	1983
1984	29.83	29.42	29.40	29.41	30.80	30.28	---	29.79	30.11	---	---	---	---	1984
MOYEN	29.83	29.42	29.40	29.41	30.80	30.28	---	29.79	30.02	30.00	29.81	29.83	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 57 54 38
LONG 68 22 22

BASSIN VERSANT, 3 680 km²
DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

VALOIS (LAC) - STATION NO. 02PC013

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1978	---	---	---	---	---	---	---	29.31	29.38	29.25	29.12	29.08	---	1978
1980	29.06	29.06	29.04	29.12	29.28	29.28	29.32	29.32	---	29.18	29.03	---	---	1980
1981	---	---	---	---	---	29.19	29.14	29.13	29.11	28.89	28.73	28.88	---	1981
1982	28.85	28.84	28.84	28.88	29.00	29.26	29.29	29.27	29.31	---	29.03	28.98	---	1982
1983	28.95	28.93	28.92	28.93	29.26	29.33	---	---	29.28	29.17	28.94	28.91	---	1983
1984	28.89	28.89	28.88	28.95	29.17	29.31	29.31	29.31	29.29	29.17R	29.09R	29.08R	29.11R	1984
1985	---	---	---	---	29.30	29.23	29.17	---	---	---	---	---	---	1985
MOYEN	28.89	28.88	28.87	28.92	29.20	29.27	29.25	29.27	29.27	29.15R	29.07R	29.08R	29.11R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 30 38
LONG 71 19 50

BASSIN VERSANT, 19.5 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

VALOIS (LAC) - STATION NO. 02PC013

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	29.50 LE 24 MAI *	28.87 LE 12 JAN *	1984
1985	---	---	---	1985

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

VICTORIA (LAC) - STATION NO. 02JA001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1939	---	---	---	---	---	---	---	---	322.77	322.88	323.89	323.30	---	1939
1940	322.75	322.35	322.03	322.47	324.80	325.88	324.80	322.85	322.81	---	323.23	323.57	---	1940
1941	322.75	322.18	321.88	322.75	325.18	323.75	324.18	323.85	---	---	324.89	324.50	---	1941
1942	323.72	---	322.30	322.83	---	324.77	323.48	322.63	---	322.88	---	---	---	1942
1943	322.58	322.03	---	---	---	---	---	323.31	323.55	323.27	323.11	322.99	---	1943
1944	322.44	---	---	---	---	---	---	---	---	---	323.15	323.05	---	1944
1945	322.77	322.84	322.71	324.44	324.75	324.25	323.22	322.11	321.88	322.41	323.81	323.35	323.18	1945
1946	322.88	322.75	322.63	323.40	324.85	324.63	323.51	323.08	323.13	323.03	323.47	323.84	323.44	1946
1947	323.22	322.38	322.57	323.38	325.58	325.45	324.58	323.48	322.80	322.89	323.05	322.78	323.80	1947
1948	322.37	322.13	322.26	323.01	325.07	324.89	323.84	322.79	322.24	323.43	324.31	324.11	323.39	1948
1949	323.67	324.26	323.93	323.84	324.53	324.72	325.00	324.33	324.41	324.80	324.70	324.91	324.48	1949
1950	324.48	324.67	324.19	323.51	323.85	324.59	324.86	324.62	324.55	324.08	324.42	325.18	324.38	1950
1951	325.28	325.08	324.31	324.25	324.22	324.60	324.77	324.43	324.20	325.17	325.42	325.00	324.73	1951
1952	325.28	325.34	324.61	324.60	324.21	325.01	324.49	324.85	324.53	324.19	324.78	325.12	324.72	1952
1953	325.32	325.40	324.62	324.17	324.37	324.73	324.39	324.74	324.24	324.28	324.83	324.14	324.58	1953
1954	324.91	324.98	324.55	323.74	323.81	324.11	324.74	324.58	324.44	325.30	324.91	325.03	324.59	1954
1955	325.25	325.05	324.45	323.78	323.86	324.11	324.85	324.41	---	324.47	324.04	324.38	---	1955
1956	325.04	325.17	324.06	323.56	---	324.06	324.67	324.88	325.35	325.09	324.50	325.00	---	1956
1957	325.11	325.41	324.34	323.67	---	323.82	324.95	324.35	324.76	324.82	325.22	325.45	---	1957
1958	325.84	325.38	324.38	323.81	323.56	323.51	324.24	324.44	324.57	324.59	325.04	325.21	324.50	1958
1959	325.56	325.11	324.20	323.67	323.84	323.81	323.67	324.43	324.84	324.75	325.27	325.87	324.53	1959
1960	325.88	325.18	324.54	323.83	324.89	324.98	325.52	324.95	324.19	324.48	324.82	325.28	324.85	1960
1961	324.98	324.65	324.19	323.47	323.74	323.48	323.71	323.89	324.34	324.60	324.20	325.28	324.23	1961
1962	325.47	325.45	324.35	323.57	323.84	323.62	324.48	324.40	324.57	324.52	324.40	324.32	324.42	1962
1963	324.18	323.94	323.86	323.73	323.77	323.65	324.14	324.28	323.86	324.27	324.98	324.82	324.07	1963
1964	324.88	324.80	323.82	323.34	323.84	324.33	324.56	324.33	324.08	324.48	324.80	324.75	324.32	1964
1965	324.88	324.34	323.82	323.17	323.82	323.74	324.47	324.33	325.24	325.88	325.22	325.08	324.48	1965
1966	325.08	325.04	324.29	324.20	323.88	324.78	324.87	324.85	324.83	324.77	324.89	325.31	324.75	1966
1967	325.47	325.84	324.88	323.88	324.43	325.48	325.08	325.25	324.91	324.48	324.74	325.04	324.93	1967
1968	325.36	325.28	324.71	323.94	324.23	324.61	324.57	324.88	324.80	324.59	324.58	324.70	324.67	1968
1969	324.78	324.71	324.15	323.41	323.90	324.23	324.84	324.62	324.85	324.98	324.48	324.87	324.48	1969
1970	325.35	324.94	324.29	323.33	324.05	324.65	325.27	325.07	324.97	325.00	324.87	324.85	324.72	1970
1971	324.78	324.53	324.32	323.38	323.98	324.60	324.39	324.28	324.44	324.40	324.39	324.39	324.31	1971
1972	324.50	324.71	324.38	323.33	323.95	324.33	324.84	324.70	324.88	324.74	324.79	325.10	324.48	1972
1973	325.11	324.83	324.30	323.67	324.28	324.57	324.83	324.88	324.74	324.78	324.85	325.23	324.84	1973
1974	325.08	325.06	324.68	323.70	324.81	325.98	325.12	324.58	324.74	324.58	324.35	325.15	324.84	1974
1975	325.30	325.17	324.57	323.53	323.98	324.28	324.69	325.01	324.70	324.41	324.69	324.84	324.58	1975
1976	325.02	324.84	324.40	323.83	324.88	324.80	324.88	324.83	324.56	324.54	324.79	325.18	324.68	1976
1977	325.11	325.05	324.42	323.83	---	---	324.68	324.81	324.67	324.83	324.88	325.09	---	1977
1978	325.03	324.87	323.97	323.41	323.82	323.98	324.18	324.27	324.72	324.80	324.73	325.42	324.42	1978
1979	325.07	324.89	324.10	323.57	324.48	324.80	324.68	324.48	324.53	325.18	325.47	325.21	324.70	1979
1980	325.42	325.52	---	---	---	---	324.80	324.43	324.08	324.75	324.81	324.87	---	1980
1981	325.20	324.93	324.80	324.11	325.11	325.14	324.63	324.80	325.18	324.68	324.81	324.83	324.80	1981
1982	324.80	324.78	324.18	323.34	323.88	324.32	324.29	324.47	324.48	324.41	324.42	324.61	324.32	1982
1983	325.00	325.08	324.55	323.84	324.20	325.25	324.75	324.88	324.75	324.41	324.70	325.14	324.67	1983
1984	325.08	324.77	324.43	323.89	323.89	324.57	324.71	324.44	324.46	324.82R	325.06R	325.11R	324.59R	1984
1985	325.13	324.85	324.38	323.40	324.06	324.48	324.70	324.85	324.83	324.99R	324.82R	324.81R	324.80R	1985
1986	324.81	---	323.82	323.81	324.27	325.07	324.75	324.82	324.35	324.78R	324.83R	325.02R	---	1986
1987	324.96	324.71	323.72	323.48	323.59	323.89	323.98	324.09	324.15	---	---	---	---	1987
MOYEN	324.83	324.57	323.99	323.59	324.25	324.52	324.51	324.30	324.30	324.43R	324.55R	324.69R	324.43R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 47 50 09
LONG 77 21 58

BASSIN VERSANT, 9 840 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

VICTORIA (LAC) - STATION NO. 02JA001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1939	---	---	---	1939
1940	---	---	---	1940
1941	---	---	---	1941
1942	---	---	---	1942
1943	---	---	---	1943
1944	---	---	---	1944
1945	---	325.21 LE 19 AVR	321.73 LE 31 AOU *	1945
1946	---	325.13 LE 31 MAI	322.72 LE 5 MAR	1946
1947	---	326.82 LE 1 JUN *	322.24 LE 22 FEV	1947
1948	---	325.41 LE 26 MAI	322.12 LE 5 FEV	1948
1949	---	325.53 LE 2 JUL	323.78 LE 14 JAN	1949
1950	---	325.20 LE 19 DEC	323.36 LE 17 AVR	1950
1951	---	325.59 LE 31 OCT	323.87 LE 28 MAR	1951
1952	---	325.77 LE 4 FEV	323.85 LE 29 OCT	1952
1953	---	325.45 LE 22 FEV	323.76 LE 25 SEP	1953
1954	---	325.82 LE 16 OCT	323.85 LE 14 AVR	1954
1955	---	---	---	1955
1956	---	---	---	1956
1957	---	---	---	1957
1958	---	325.60 LE 30 DEC	323.32 LE 18 JUN	1958
1959	---	325.82 LE 30 DEC	323.25 LE 30 JUN	1959
1960	---	325.84 LE 3 JAN	323.46 LE 13 AVR	1960
1961	---	325.54 LE 26 DEC	323.26 LE 7 JUL	1961
1962	---	325.54 LE 17 FEV	323.37 LE 18 JUN	1962
1963	---	325.21 LE 15 NOV	323.20 LE 18 JUN	1963
1964	---	324.93 LE 21 JAN	323.12 LE 11 AVR	1964
1965	---	325.78 LE 25 OCT	323.09 LE 18 AVR	1965
1966	---	325.45 LE 17 DEC	323.76 LE 31 MAR	1966
1967	---	325.75 LE 23 JUN	323.68 LE 14 AVR	1967
1968	---	325.46 LE 24 JAN	323.80 LE 5 MAI	1968
1969	---	325.24 LE 14 OCT	323.26 LE 12 AVR	1969
1970	---	325.41 LE 11 JAN	323.17 LE 20 AVR	1970
1971	---	324.86 LE 1 JAN	323.26 LE 15 AVR	1971
1972	---	325.18 LE 28 DEC	323.19 LE 22 AVR	1972
1973	---	325.33 LE 28 DEC	323.84 LE 15 AVR	1973
1974	---	326.45 LE 7 JUN	323.62 LE 21 AVR	1974
1975	---	325.37 LE 24 JAN	323.34 LE 16 AVR	1975
1976	---	326.29 LE 11 DEC	323.73 LE 14 AVR	1976
1977	---	---	---	1977
1978	---	325.80 LE 9 DEC	323.24 LE 22 AVR	1978
1979	---	326.71 LE 3 NOV	323.38 LE 13 AVR	1979
1980	---	---	---	1980
1981	---	325.88 LE 28 MAI	323.84 LE 1 AVR	1981
1982	---	324.85 LE 5 JAN	323.14 LE 18 AVR	1982
1983	---	325.58 LE 10 JUN	323.44 LE 10 AVR	1983
1984	---	326.17 LE 1 JAN	323.80 LE 11 AVR	1984
1985	---	326.18R LE 9 OCT	323.27 LE 18 AVR	1985
1986	---	---	---	1986
1987	---	326.03 LE 1 JAN	323.27 LE 28 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

VILLEBON (LAC) - STATION NO. 03AC010

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1968	---	---	---	---	---	---	---	28.18	---	---	28.81	---	---	1968
1970	---	---	---	---	---	---	---	---	---	28.22	---	---	---	1970
1971	---	---	---	---	28.44	28.10	28.06	28.06	28.07	---	---	---	---	1971
MOYEN	---	---	---	---	28.44	28.10	28.06	28.13	28.07	28.22	28.81	---	---	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 48 01 52
LONG 77 20 28 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

VINCELOTTE (LAC) A SON EXUTOIRE SUD - STATION NO. 03DC004

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	428.43R	428.77R	430.84R	430.14R	428.11R	428.28R	428.16R	428.45R	---	---	---	---	1984
MOYEN	---	428.43R	428.77R	430.84R	430.14R	428.11R	428.28R	428.16R	428.45R	---	---	---	---	MOYEN

PLAN DE REFERENCE - SERVICE GEODESIQUE DU CANADA

LOCATION - LAT 54 14 25 BASSIN VERSANT, 6 890 km²
LONG 72 28 00 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

WASWANIPI (RIVIERE) AU LAC WASWANIPI - STATION NO. 03AB001

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1948	---	---	---	---	---	---	---	---	---	---	22.11	---	---	1948
1951	---	---	---	---	23.30	22.52	22.12	21.85	21.82	22.46	22.85	22.78	---	1951
1952	22.10	21.85	21.32	21.49	23.37	23.47	22.87	23.33	22.94	22.76	22.36	22.59	22.53	1952
1953	22.28	21.83	21.86	23.11	24.17	22.96	22.09	21.85	21.91	22.23	21.86	---	---	1953
1954	21.83	21.27	21.12	21.43	24.04	23.41	---	---	21.87	22.59	22.33	22.36	---	1954
1955	22.03	21.72	21.41	21.72	23.56	22.85	21.98	21.63	21.86	22.20	22.54	22.33	22.14	1955
1956	21.81	---	21.36	21.41	22.80	24.56	23.05	22.55	22.93	23.20	22.33	21.92	---	1956
1957	21.70	21.50	21.36	21.52	23.63	23.33	23.48	22.77	22.47	22.62	22.77	22.62	22.50	1957
1958	---	22.01	---	21.73	22.86	23.03	22.66	22.28	22.79	22.67	22.49	22.17	---	1958
1959	21.72	---	21.40	21.37	---	23.79	22.69	22.19	22.41	---	---	---	---	1959
1960	---	21.80	21.65	21.87	---	---	---	---	22.51	22.22	---	---	---	1960
1961	---	21.58	---	---	---	---	21.98	---	---	---	---	---	---	1961
1963	---	---	---	---	---	22.91	23.18	---	---	---	---	---	---	1963
1964	---	21.56	21.59	---	---	---	23.78	---	---	---	22.37	---	---	1964
1965	---	---	21.65	21.56	---	---	---	---	---	---	---	---	---	1965
MOYEN	21.90	21.66	21.48	21.69	23.46	23.28	22.74	22.26	22.31	22.57	22.40	22.43	22.39	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 49 38 05 BASSIN VERSANT, 22 500 km²
LONG 78 28 40 DEBIT NATUREL

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

WASWANIPI (RIVIERE) AU LAC WASWANIPI - STATION NO. 03AB001

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1948	---	---	---	1948
1951	---	---	---	1951
1952	---	23.80 LE 18 MAI	21.23 LE 2 AVR *	1952
1953	---	---	---	1953
1954	---	---	---	1954
1955	---	23.85 LE 11 MAI *	21.30 LE 8 AVR	1955
1956	---	---	---	1956
1957	---	23.85 LE 11 MAI	21.28 LE 16 AVR	1957
1958	---	---	---	1958
1959	---	---	---	1959
1960	---	---	---	1960
1961	---	---	---	1961
1963	---	---	---	1963
1964	---	---	---	1964
1965	---	---	---	1965

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

WATERLOO (LAC) A WATERLOO - STATION NO. 020E038

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	---	---	---	---	---	98.82R	---	---	98.92R	---	1977
1978	---	---	98.88R	97.18R	98.94R	98.94R	98.83R	98.87R	98.85R	98.87R	98.94R	98.92R	---	1978
1979	97.00R	98.92R	97.12R	97.07R	98.91R	98.88R	98.88R	98.82R	98.85R	98.91R	97.00R	97.01R	98.84R	1979
1980	98.88R	98.70R	---	---	98.80R	---	---	---	---	---	---	98.98R	---	1980
1981	98.80R	97.03R	98.88R	97.00R	98.92R	98.98R	98.81R	98.93R	98.92R	97.01R	97.02R	98.97R	98.84R	1981
1982	98.83R	98.88R	98.82R	97.13R	98.84R	98.74R	98.71R	98.75R	98.80R	98.78R	---	98.87R	---	1982
1983	98.83R	98.84R	98.87R	98.88R	98.88R	98.78R	98.71R	98.73R	98.89R	98.74R	---	---	---	1983
1984	98.71R	98.81R	98.87R	98.71R	98.88R	98.81R	98.84R	98.81R	98.81R	---	98.85R	98.88R	---	1984
1985	---	98.82R	98.80R	98.83R	98.84R	98.82R	98.83R	98.78R	98.78R	98.83R	98.83R	98.78R	---	1985
1986	98.80R	98.77R	98.83R	98.83R	98.87R	98.85R	98.85R	98.88R	98.87R	98.87R	98.82R	98.78R	98.83R	1986
1987	98.72	98.71	98.74	98.78	98.78	98.80	98.72	98.82	98.82	---	---	---	---	1987
MOYEN	98.83R	98.83R	98.85R	98.83R	98.88R	98.85R	98.78R	98.80R	98.81R	98.87R	98.91R	98.89R	98.80R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 46 20 15 BASSIN VERSANT, 30.6 km²
LONG 73 31 00 REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

WATERLOO (LAC) A WATERLOO - STATION NO. 020C038

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	97.51R LE 28 MAR *	96.80R LE 26 JUL	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	97.38R LE 29 OCT	96.72R LE 3 AOU	1982
1983	---	---	---	1983
1984	---	---	---	1984
1985	---	---	---	1985
1986	---	97.17R LE 31 MAR	96.71R LE 26 MAR	1986
1987	---	97.06 LE 1 AVR	96.82 LE 7 SEP *	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION
R - REVISEE DEPUIS JAN 01 1988

WATERLOO (LAC) EN AMONT DU BARRAGE - STATION NO. 020C044

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1984	---	---	---	---	---	---	---	---	---	---	---	208.13R	---	1984
1985	208.08	208.07	208.03	208.05	208.08	207.97	208.08	208.04	208.03	208.08R	208.08R	208.04R	208.06R	1985
1986	208.05	208.03	208.04	208.07	208.08	208.11	208.11	208.12	208.12	208.13R	208.14R	208.08R	208.08R	1986
1987	208.05	208.03	208.03	208.07	208.10	208.11	208.04	207.94	207.94	---	---	---	---	1987
MOYEN	208.06	208.04	208.03	208.06	208.09	208.08	208.08	208.03	208.03	208.11R	208.12R	208.08R	208.07R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE
AJOUTER 107.673 m POUR OBTENIR LES COTES GEODESIQUES

LOCATION - LAT 45 21 02
LONG 72 31 00

BASSIN VERSANT, 30.5 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

WATERLOO (LAC) EN AMONT DU BARRAGE - STATION NO. 020C044

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1984	---	---	---	1984
1985	---	208.26 LE 27 FEV *	207.87 LE 22 JUN *	1985
1986	---	208.28 LE 13 SEP	207.90 LE 4 MAI	1986
1987	---	208.23 LE 31 MAI	207.84 LE 6 SEP	1987

PLAN DE REFRENCE - ARBITRAIRE
AJOUTER 107.673 m POUR OBTENIR LES COTES GEODESIQUES

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

YAMASKA (RIVIERE) - STATION NO. 020C005

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1966	---	---	---	---	---	---	25.97	26.00	25.84	26.04	26.16	26.97	---	1966
1967	---	---	---	---	---	---	---	---	---	---	28.02	---	---	1967
1968	26.85	27.08	27.28	27.37	27.47	27.34	27.44	27.12	26.70	26.75	27.52	27.48	27.21	1968
1969	27.36	27.39	27.42	27.69	27.62	27.52	27.48	27.34	27.21	26.78	27.66	27.22	27.38	1969
1970	26.85	27.16	27.12	27.63	27.26	27.08	27.30	26.80	27.08	27.54	27.60	27.48	27.22	1970
1971	27.48	27.42	27.64	27.85	27.36	27.10	26.78	27.25	27.28	27.48	27.38	27.40	27.38	1971
1972	27.14	26.87	27.18	27.78	27.31	27.65	27.85	27.48	27.00	27.48	27.60	27.44	27.37	1972
1973	27.48	27.32	27.66	27.62	27.29	---	---	---	---	---	27.60	27.75	---	1973
1974	27.62	27.17	27.30	27.63	---	27.06	27.21	---	---	---	27.23	27.18	---	1974
1975	27.09	27.00	27.28	27.42	---	---	26.97	---	---	27.10	27.21	---	---	1975
1976	---	---	---	27.34	27.21	27.00	27.17	27.07	---	---	---	27.11	---	1976
1977	27.00	26.98	27.48	---	---	---	26.97	26.97	27.10	27.36	27.21	27.16	---	1977
1978	27.18	27.08	27.13	27.66	---	---	---	---	---	27.08	27.07	27.05	---	1978
1979	27.24	27.12	27.63	27.30	27.05	---	---	27.02	27.14	27.06	27.18	27.19	---	1979
1980	27.02	26.93	27.10	27.22	27.11	26.96	27.02	---	---	27.14	27.20	27.18	---	1980
1981	27.00	27.42	27.20	27.32	27.13	27.13	---	---	---	---	---	---	---	1981
1982	---	---	---	27.43	26.92	26.86	26.82	26.89	26.91	---	---	---	---	1982
1983	---	---	27.22	27.32	27.27	26.96	26.86	26.85	26.83	26.89	27.26	27.28	---	1983
1984	26.96	27.19	27.11	27.16	27.10	26.96	26.93	26.93	26.92	26.89R	26.89R	27.05R	27.02R	1984
1985	26.98	27.00	27.26	27.25	26.98	26.92	26.84	---	---	---	---	---	---	1985
1986	---	27.00	27.28	27.16	27.00	26.83	26.86	27.03	27.02	27.06R	27.12R	27.06R	---	1986
1987	26.95	---	---	27.10	26.96	27.05	26.86	26.85	---	---	---	---	---	1987
MOYEN	27.15	27.13	27.30	27.42	27.19	27.10	27.02	26.96	26.90	27.05R	27.16R	27.19R	27.20R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 37 17
LONG 72 57 03

BASSIN VERSANT, 3 370 km²
REGULARISE

DONNEES FOURNIES PAR -
MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

YAMASKA (RIVIERE) - STATION NO. 020G005

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1966	---	---	---	1966
1967	---	---	---	1967
1968	---	28.18 LE 24 MAR	28.10 LE 12 SEP	1968
1969	---	28.47 LE 11 AVR	28.38 LE 2 OCT	1969
1970	---	27.89 LE 19 AVR	25.92 LE 21 AOU	1970
1971	---	28.35 LE 12 DEC	25.68 LE 14 JUL *	1971
1972	---	28.54 LE 9 AOU *	28.38 LE 16 SEP	1972
1973	---	---	---	1973
1974	---	---	---	1974
1975	---	---	---	1975
1976	---	---	---	1976
1977	---	---	---	1977
1978	---	---	---	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	---	---	1981
1982	---	---	---	1982
1983	---	---	---	1983
1984	---	27.80 LE 21 FEV	26.86 LE 13 JUN	1984
1985	---	---	---	1985
1986	---	---	---	1986
1987	---	---	---	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

YAMASKA NORD (RIVIERE) AU RESERVOIR CHOINIERE - STATION NO. 020G009

NIVEAUX MOYENS MENSUELS ET ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	JAN	FEV	MAR	AVR	MAI	JUN	JUL	AOU	SEP	OCT	NOV	DEC	MOYEN	ANNEE
1977	---	---	---	143.27	143.32	143.28	143.29	---	143.09	143.52	143.38	143.37	---	1977
1978	142.88	142.38	139.90	141.13	143.31	143.37	143.15	142.89	142.07	142.11	142.84	142.57	142.38	1978
1979	142.82	140.87	140.75	142.89	---	---	142.43	141.93	142.53	141.48	---	142.57	---	1979
1980	142.88	141.78	140.85	142.84	143.36	---	---	143.18	143.25	---	---	143.26	---	1980
1981	142.33	142.28	143.28	143.42	143.35	143.30	142.85	142.88	142.75	143.00	143.44	143.18	142.89	1981
1982	142.71	141.83	140.88	143.42	143.01	142.08	141.34	140.47	140.22	139.52	139.78	141.22	141.37	1982
1983	142.30	142.78	142.78	143.33	143.44	143.14	142.38	141.55	140.70	140.28	141.72	143.46	142.32	1983
1984	142.87	142.88	141.97	142.90	143.37	143.28	143.00	142.71	142.89	142.18R	142.15R	142.78R	142.71R	1984
1985	143.09	141.71	141.47	143.01	143.30	142.98	142.80	142.03	141.34	141.45R	142.24R	142.84R	142.34R	1985
1986	142.54	142.18	141.48	143.34	143.28	143.07	142.91	142.88	143.01	143.21R	143.31R	143.20R	142.88R	1986
1987	142.40	141.48	140.98	142.87	142.85	143.20	142.88	142.22	141.54	---	---	---	---	1987
MOYEN	142.70	142.00	141.43	142.91	143.23	143.07	142.89	142.23	142.11	141.88R	142.33R	142.85R	142.42R	MOYEN

PLAN DE REFERENCE - ARBITRAIRE

LOCATION - LAT 45 25 08 BASSIN VERSANT, 181 km²
LONG 72 37 30 REGULARISE

DONNEES FOURNIES PAR - MINISTERE DE L'ENVIRONNEMENT DU QUEBEC

R - REVISEE DEPUIS JAN 1, 1988

YAMASKA NORD (RIVIERE) AU RESERVOIR CHOINIERE - STATION NO. 020G009

NIVEAUX EXTREMES ANNUELS EN METRES POUR TOUTE LA PERIODE D'OBSERVATION

ANNEE	NIVEAU MAXIMUM INSTANTANE	NIVEAU MAXIMUM QUOTIDIEN	NIVEAU MINIMUM QUOTIDIEN	ANNEE
1977	---	---	---	1977
1978	---	143.81 LE 21 JUN	139.61 LE 27 MAR	1978
1979	---	---	---	1979
1980	---	---	---	1980
1981	---	143.72 LE 29 OCT	141.88 LE 1 FEV	1981
1982	---	143.95 LE 19 AVR	138.34 LE 1 NOV *	1982
1983	---	144.05 LE 15 DEC *	140.12 LE 3 NOV	1983
1984	---	143.48 LE 31 MAI	141.03 LE 21 MAR	1984
1985	---	143.43 LE 2 JAN	140.87 LE 28 MAR	1985
1986	---	143.72 LE 1 AVR	140.50 LE 11 MAR	1986
1987	---	143.35 LE 14 JUN	140.82 LE 22 MAR	1987

PLAN DE REFRENCE - ARBITRAIRE

* - EXTREMES ENREGISTRES POUR TOUTE LA PERIODE D'OBSERVATION

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